

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052523\
 Data File : VW031232.D
 Acq On : 25 May 2023 13:55
 Operator : SY/MD
 Sample : VSTD01042
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 26 06:33:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:30:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	148418	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	143681	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	75298	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	176745	10.745	ug/L	0.00
7) Chloroethane-d5	1.536	69	132403	10.318	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	68012	10.003	ug/L	0.00
20) 2-Butanone-d5	3.809	46	405100	113.972	ug/L	0.00
24) Chloroform-d	4.259	84	352947	10.820	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	176594	10.957	ug/L	0.00
32) Benzene-d6	4.966	84	642797	10.713	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	215014	10.708	ug/L	0.00
41) Toluene-d8	7.249	98	601256	11.467	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	73551	11.393	ug/L	0.00
46) 2-Hexanone-d5	8.030	63	324306	125.610	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	147914	10.438	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	180535	10.219	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	163300	10.226	ug/L	100
3) Chloromethane	1.217	50	173490	9.709	ug/L	100
5) Vinyl chloride	1.285	62	178661	10.338	ug/L	98
6) Bromomethane	1.491	94	85041	9.966	ug/L	99
8) Chloroethane	1.555	64	90303	9.914	ug/L	98
9) Trichlorofluoromethane	1.719	101	240215	10.110	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	122692	9.757	ug/L	98
12) 1,1-Dichloroethene	2.076	96	98100	9.766	ug/L	84
13) Acetone	2.137	43	228273	81.327	ug/L	99
14) Carbon disulfide	2.246	76	303769	10.210	ug/L	99
15) Methyl Acetate	2.388	43	55526	10.019	ug/L	97
16) Methylene chloride	2.452	84	143417	8.271	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	297074	10.723	ug/L	98
18) trans-1,2-Dichloroethene	2.700	96	117331	10.475	ug/L	98
19) 1,1-Dichloroethane	3.121	63	284109	10.282	ug/L	99
21) 2-Butanone	3.889	43	375732	106.805	ug/L	95
22) cis-1,2-Dichloroethene	3.825	96	138245	10.742	ug/L	96
23) Bromochloromethane	4.156	128	60640	10.576	ug/L	97
25) Chloroform	4.288	83	295588	10.462	ug/L	97
27) 1,2-Dichloroethane	5.050	62	172923	10.782	ug/L #	96
29) 1,1,1-Trichloroethane	4.523	97	257593	9.620	ug/L	99
30) Cyclohexane	4.593	56	213368	10.410	ug/L	98
31) Carbon tetrachloride	4.744	117	228492	9.896	ug/L	98
33) Benzene	5.018	78	551171	10.293	ug/L	100
34) Trichloroethene	5.841	95	142813	9.927	ug/L	97
35) Methylcyclohexane	6.059	83	214880	10.805	ug/L	94
37) 1,2-Dichloropropane	6.101	63	161331	10.284	ug/L	100
38) Bromodichloromethane	6.439	83	200949	10.220	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	213433	11.480	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	893949	116.342	ug/L	99
42) Toluene	7.323	91	594721	11.304	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	180497	11.192	ug/L	95

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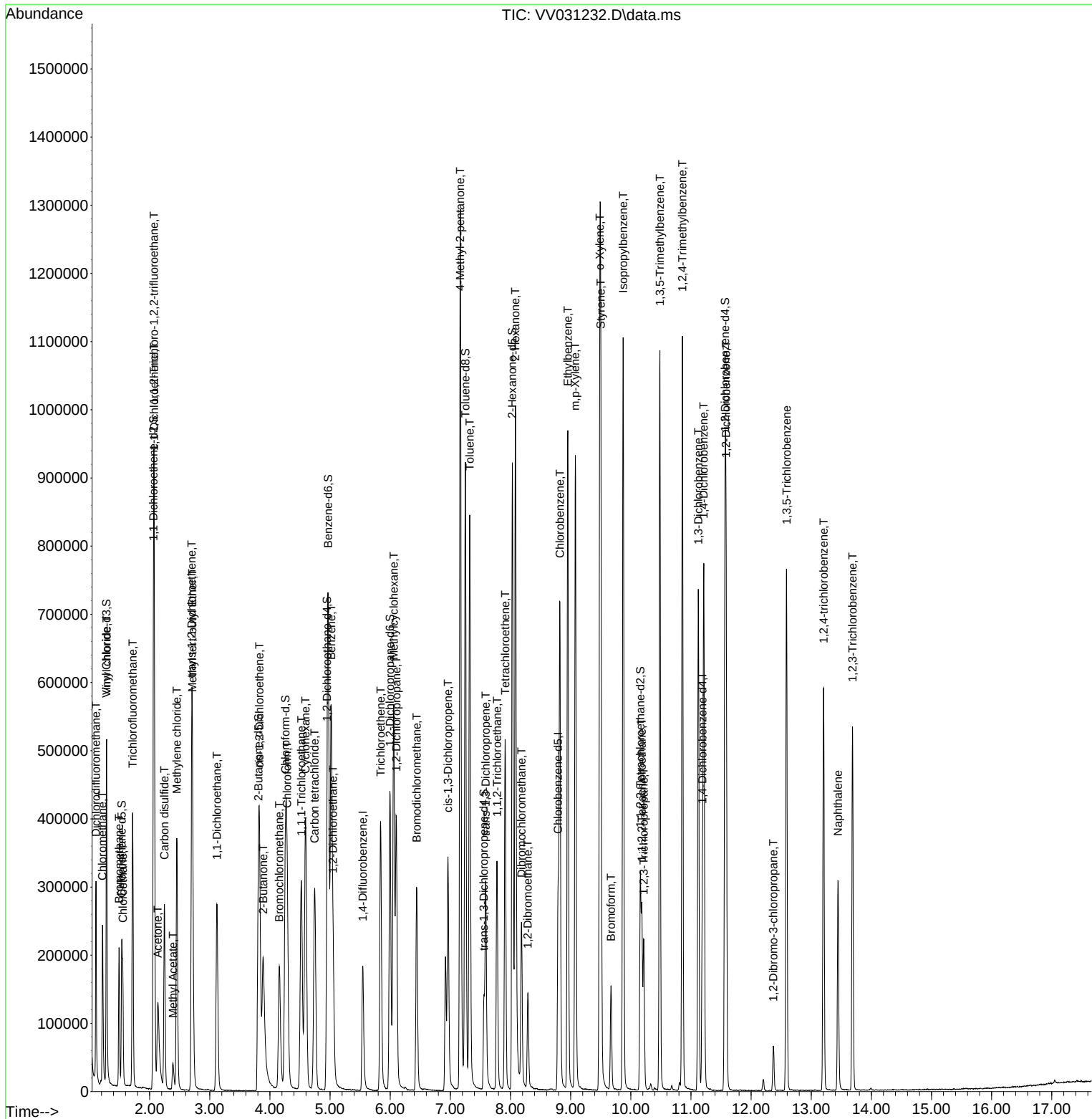
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 MSVOA_V
 ClientSampleId :

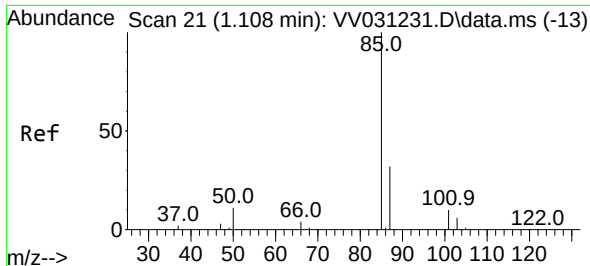
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	102354	10.789	ug/L	96
47) Tetrachloroethene	7.912	164	109620	10.513	ug/L	99
48) 2-Hexanone	8.082	43	659333	116.385	ug/L	98
49) Dibromochloromethane	8.185	129	121449	10.655	ug/L	100
50) 1,2-Dibromoethane	8.288	107	93755	10.704	ug/L	98
51) Chlorobenzene	8.821	112	357903	10.341	ug/L	99
52) Ethylbenzene	8.953	91	644361	11.108	ug/L	99
53) m,p-Xylene	9.079	106	235649	10.993	ug/L	99
54) o-Xylene	9.484	106	223690	10.961	ug/L	98
55) Styrene	9.503	104	410326	11.402	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	122219	10.206	ug/L	96
59) Bromoform	9.670	173	65500	10.745	ug/L	100
60) Isopropylbenzene	9.873	105	653827	11.910	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	88771	10.787	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	536371	12.051	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	557665	12.236	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	269024	10.350	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	273382	10.279	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	253183	10.163	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	16990	9.796	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	219103	10.380	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	170265	10.092	ug/L	98
71) Naphthalene	13.445	128	226421	9.067	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	148452	10.230	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

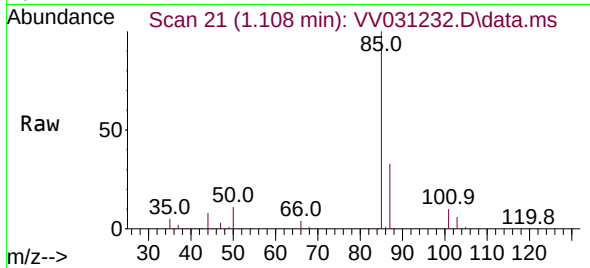
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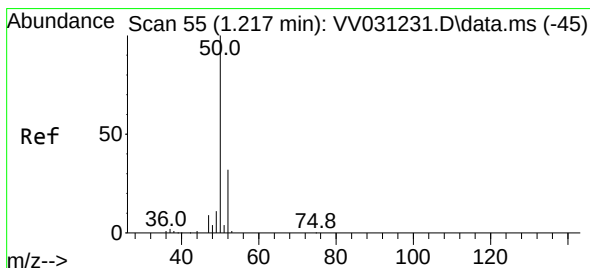
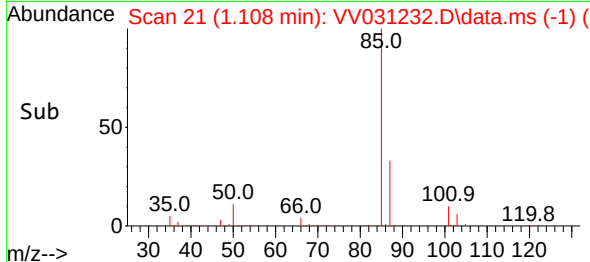
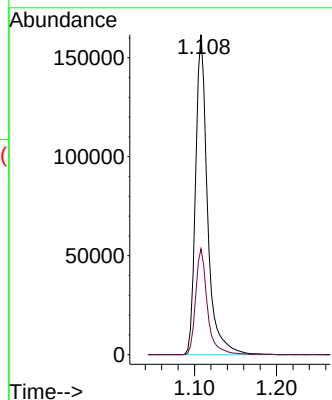


#2
 Dichlorodifluoromethane
 Concen: 10.226 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031232.D
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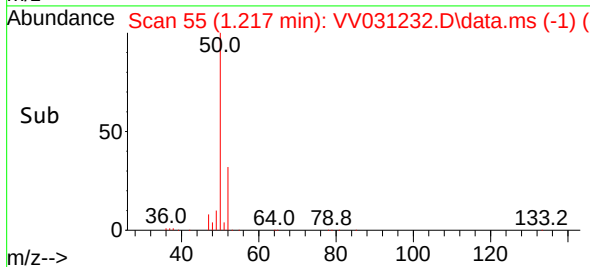
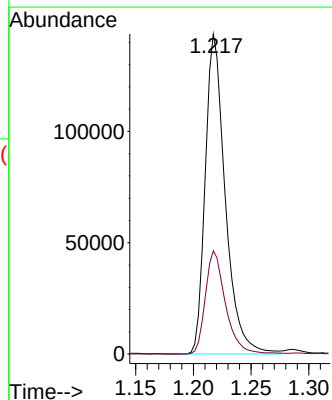
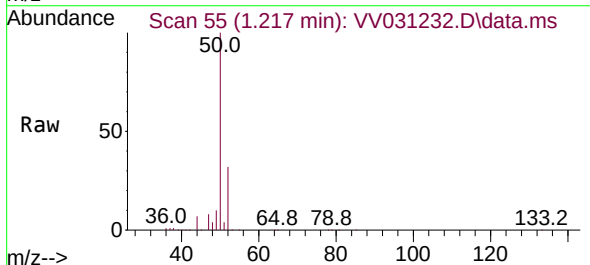


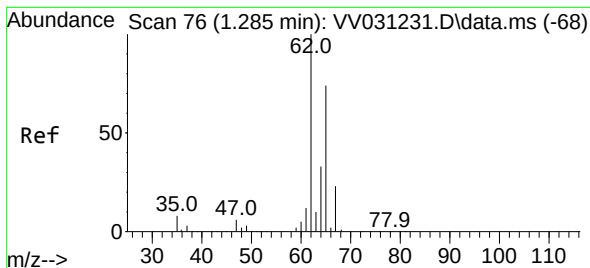
Tgt Ion: 85 Resp: 163300
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 9.709 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031232.D
 Acq: 25 May 2023 13:55

Tgt Ion: 50 Resp: 173490
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.7 42.1





#5

Vinyl chloride

Concen: 10.338 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

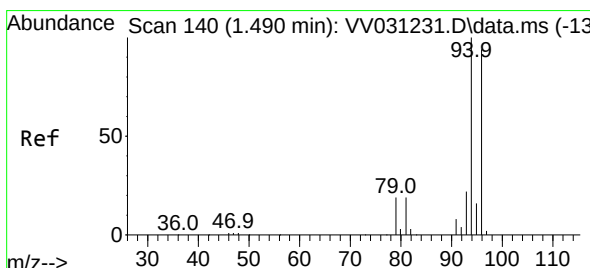
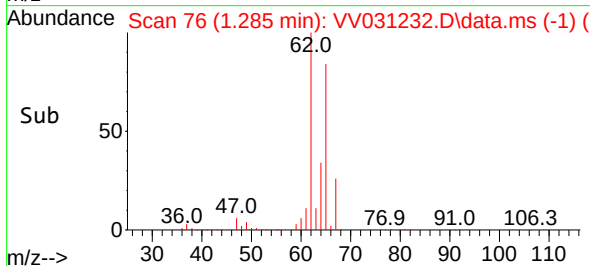
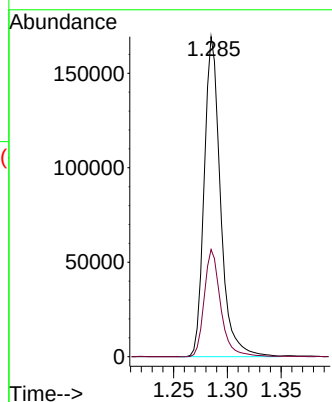
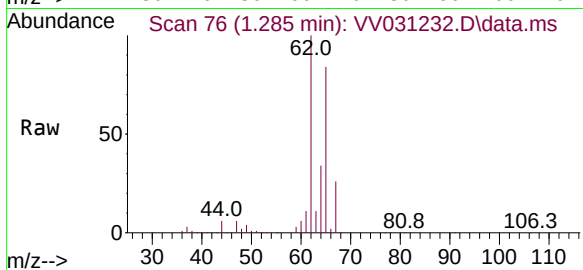
ClientSampleId :

Tgt Ion: 62 Resp: 178661

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 9.966 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031232.D

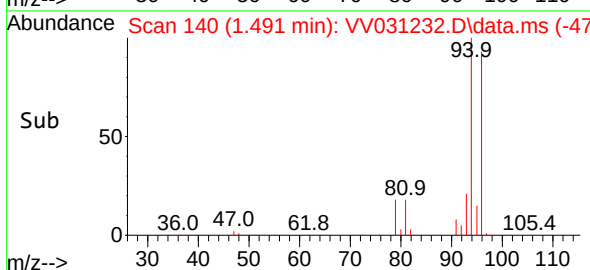
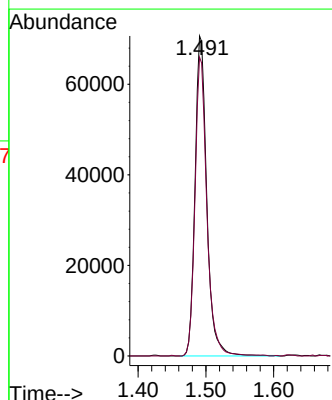
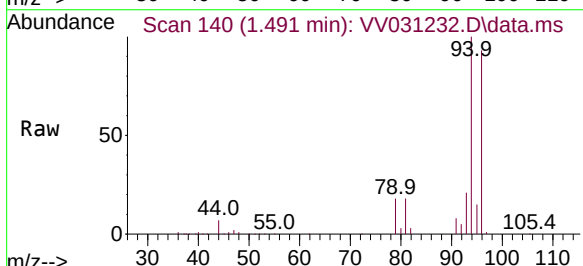
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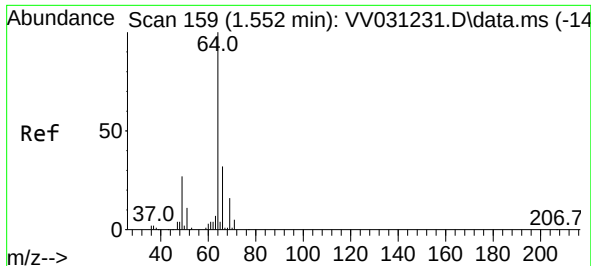
Tgt Ion: 94 Resp: 85041

Ion Ratio Lower Upper

94 100

96 93.3 65.8 122.2

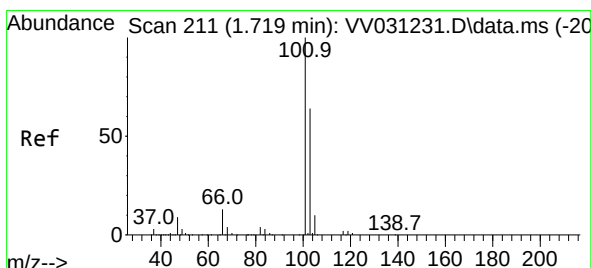
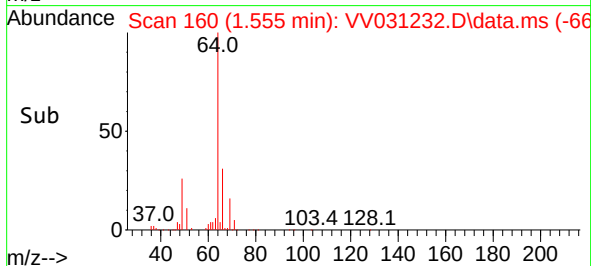
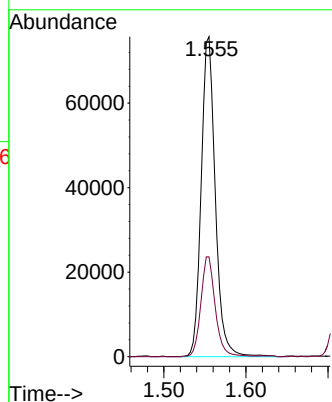
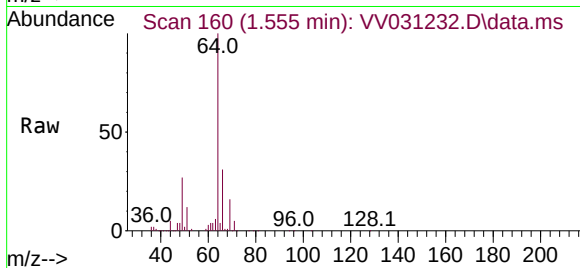




#8
Chloroethane
Concen: 9.914 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

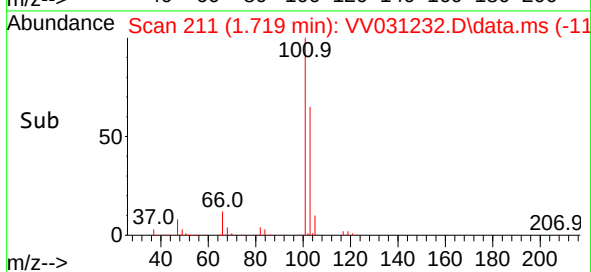
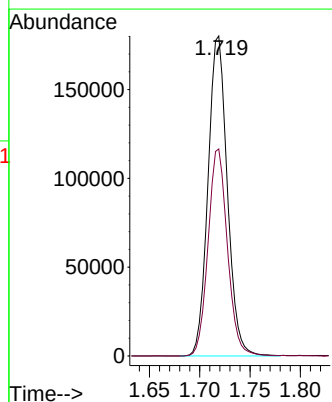
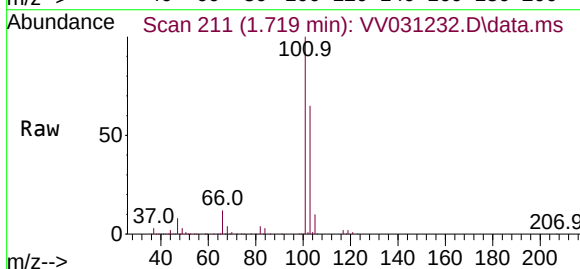
Instrument :
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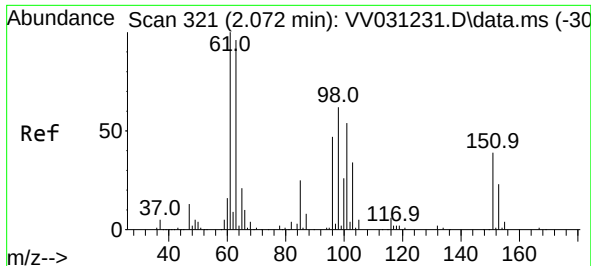
Tgt Ion: 64 Resp: 90303
Ion Ratio Lower Upper
64 100
66 31.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 10.110 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion:101 Resp: 240215
Ion Ratio Lower Upper
101 100
103 64.9 52.1 78.1

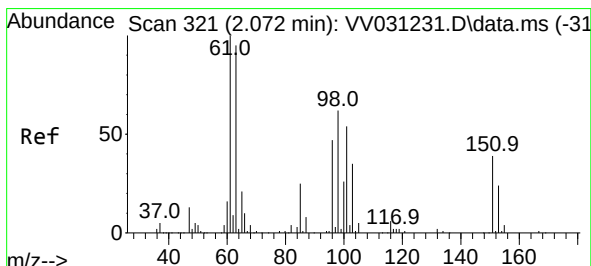
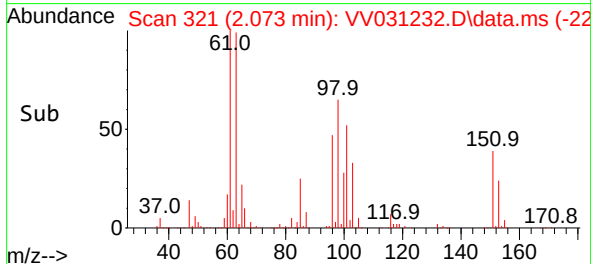
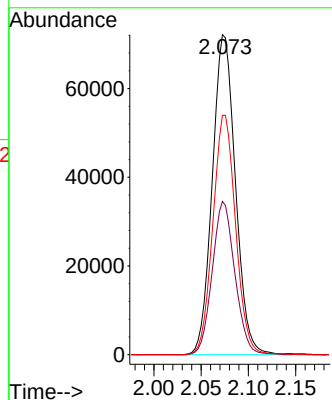
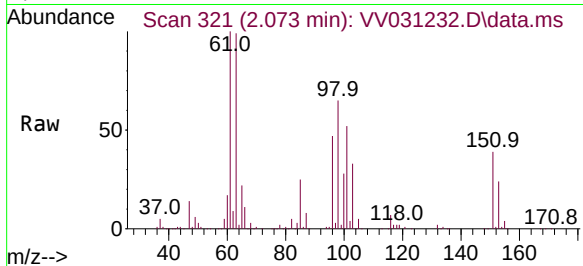




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.757 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031232.D
 Acq: 25 May 2023 13:55

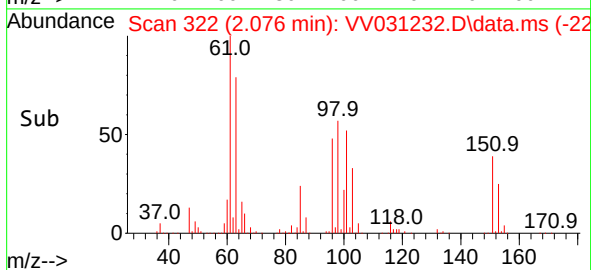
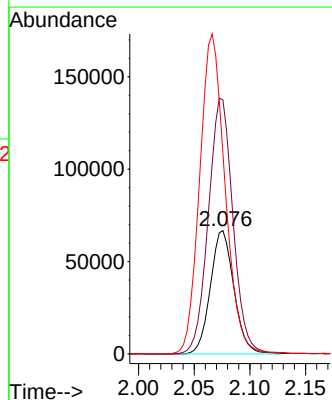
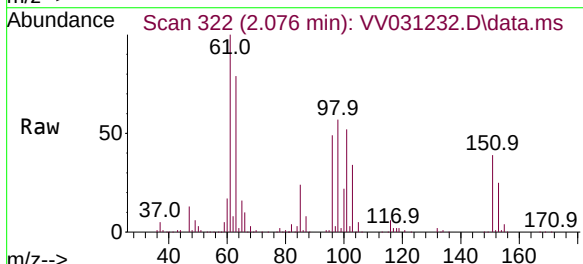
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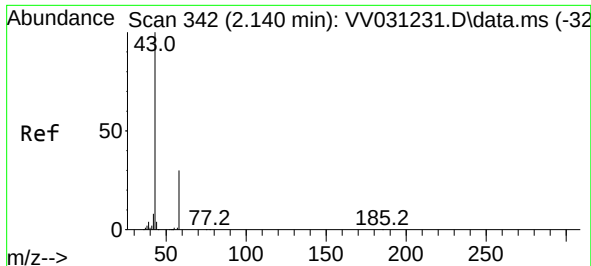
Tgt Ion:101 Resp: 122692
 Ion Ratio Lower Upper
 101 100
 85 46.8 37.6 56.4
 151 73.6 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 9.766 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV031232.D
 Acq: 25 May 2023 13:55

Tgt Ion: 96 Resp: 98100
 Ion Ratio Lower Upper
 96 100
 61 206.1 150.0 278.6
 63 163.0 143.5 266.5





#13

Acetone

Concen: 81.327 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

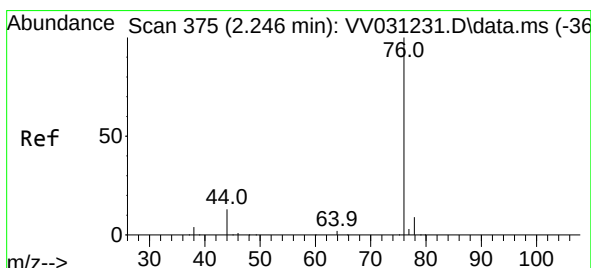
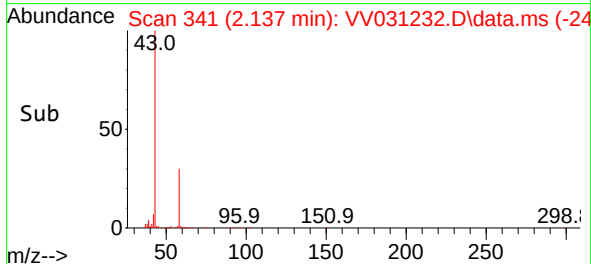
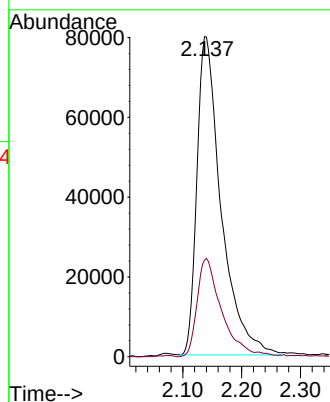
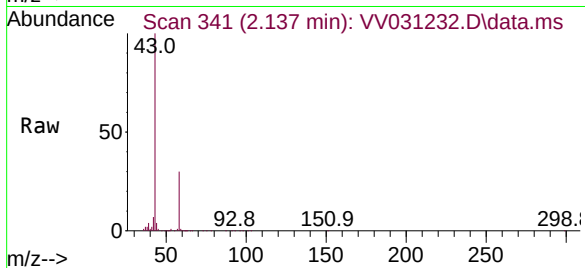
ClientSampleId :

Tgt Ion: 43 Resp: 228273

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.2



#14

Carbon disulfide

Concen: 10.210 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031232.D

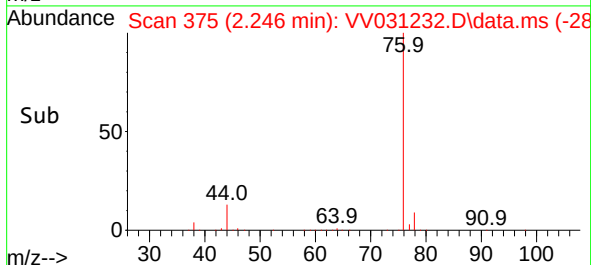
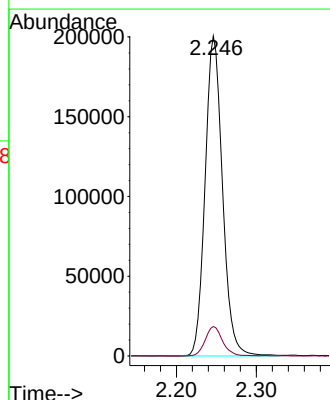
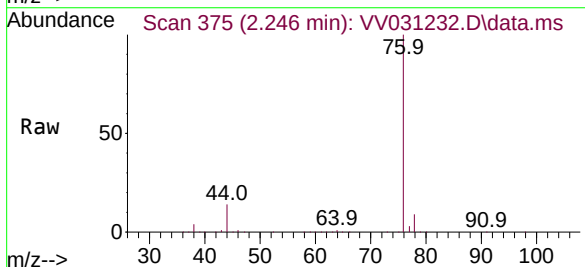
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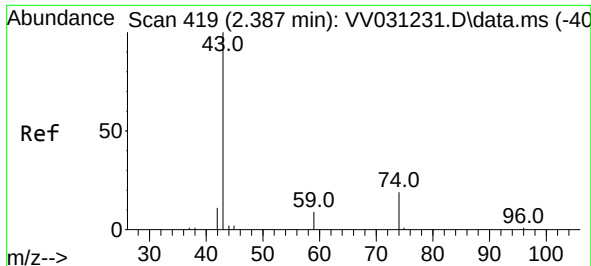
Tgt Ion: 76 Resp: 303769

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

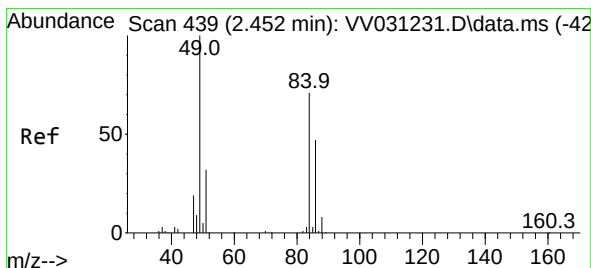
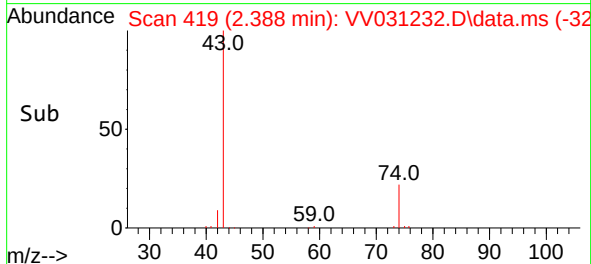
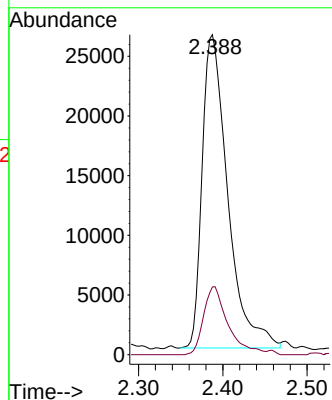
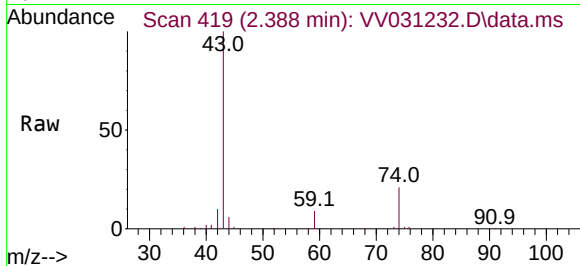




#15
Methyl Acetate
Concen: 10.019 ug/L
RT: 2.388 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

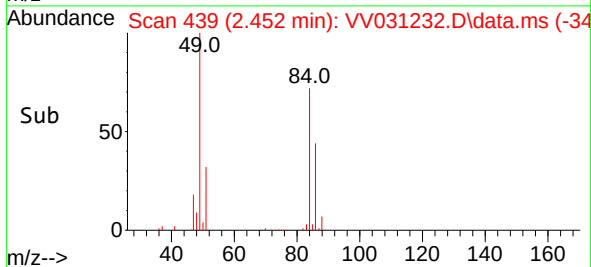
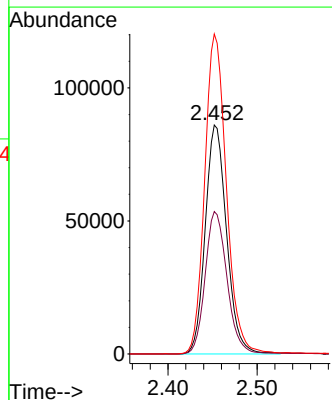
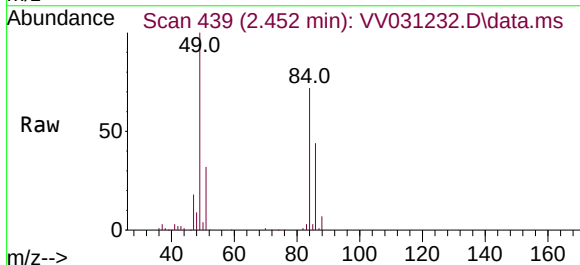
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MSVOA_V
ClientSampleId :

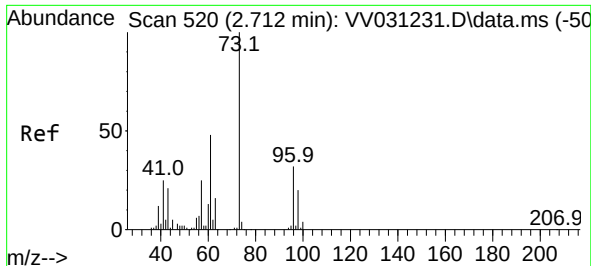
Tgt Ion: 43 Resp: 55526
Ion Ratio Lower Upper
43 100
74 20.7 15.5 23.3



#16
Methylene chloride
Concen: 8.271 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 84 Resp: 143417
Ion Ratio Lower Upper
84 100
86 62.2 46.8 86.8
49 139.8 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 10.723 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

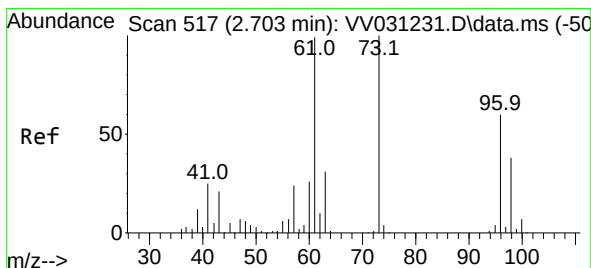
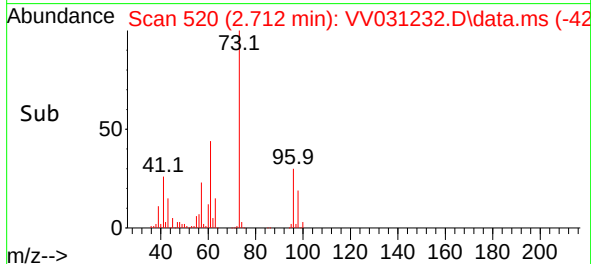
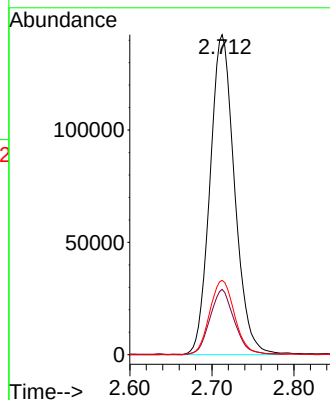
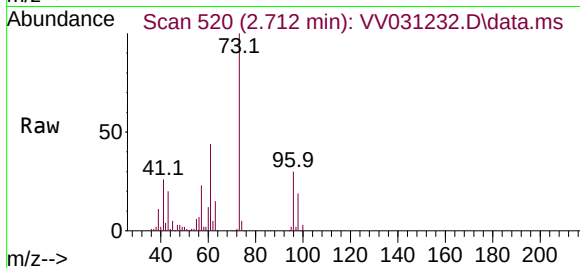
Tgt Ion: 73 Resp: 297074

Ion Ratio Lower Upper

73 100

43 20.0 17.0 25.6

57 23.7 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 10.475 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

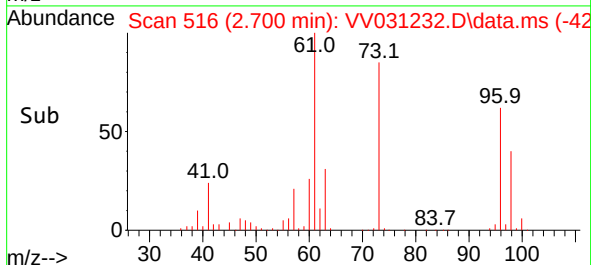
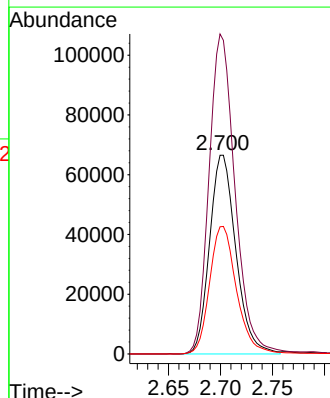
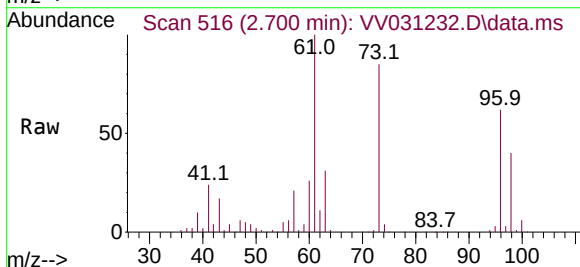
Tgt Ion: 96 Resp: 117331

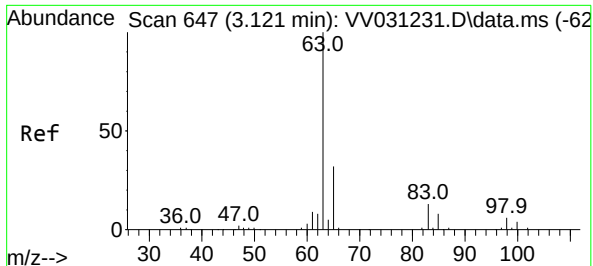
Ion Ratio Lower Upper

96 100

61 161.0 115.0 213.6

98 64.0 44.4 82.5





#19

1,1-Dichloroethane

Concen: 10.282 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

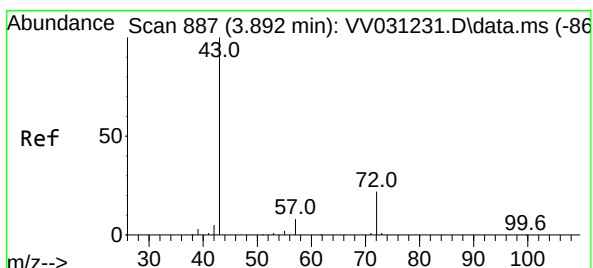
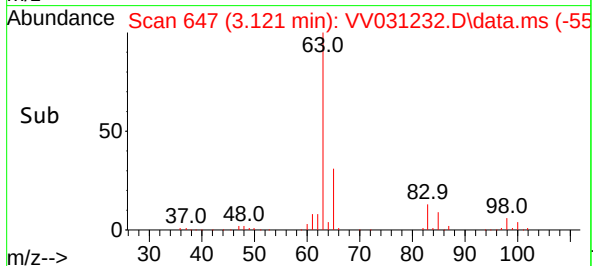
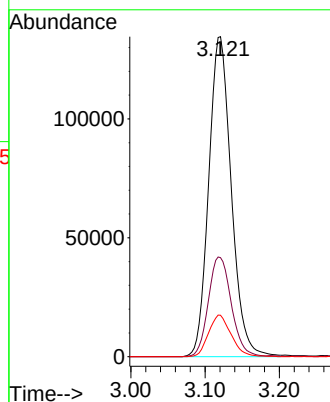
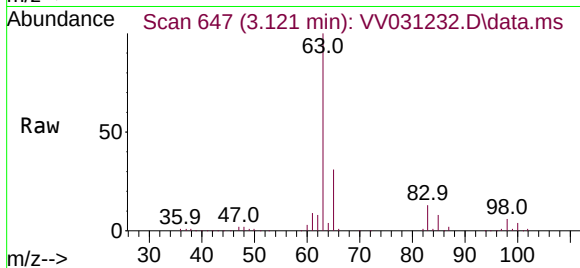
Tgt Ion: 63 Resp: 284109

Ion Ratio Lower Upper

63 100

65 30.9 22.4 41.6

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 106.805 ug/L

RT: 3.889 min Scan# 886

Delta R.T. -0.003 min

Lab File: VV031232.D

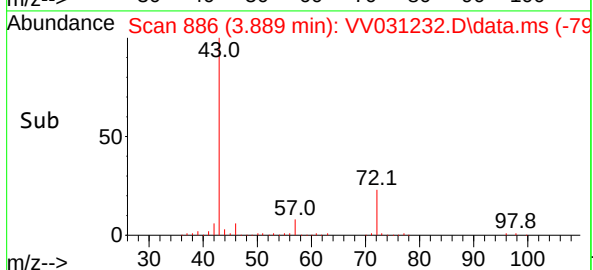
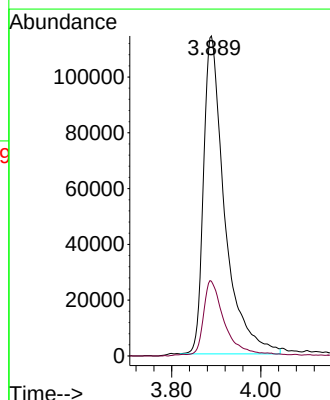
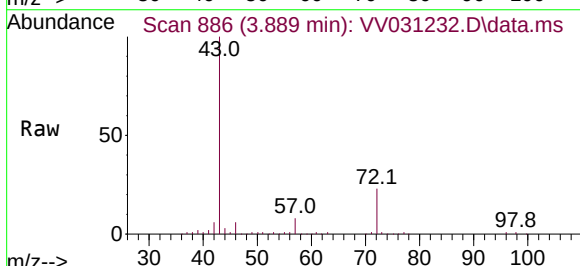
Acq: 25 May 2023 13:55

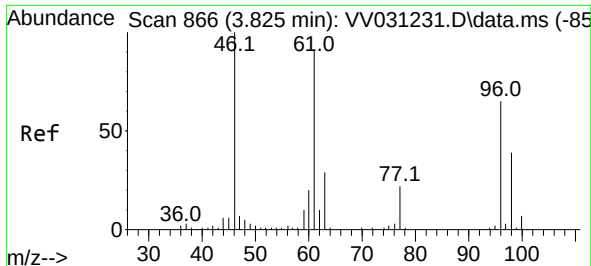
Tgt Ion: 43 Resp: 375732

Ion Ratio Lower Upper

43 100

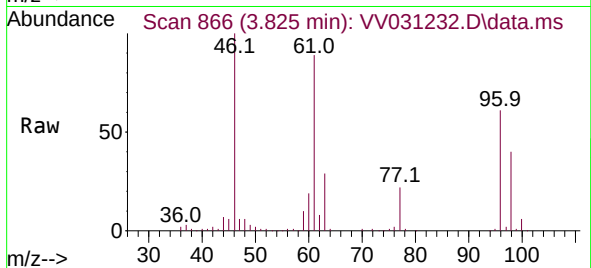
72 22.8 10.3 30.9



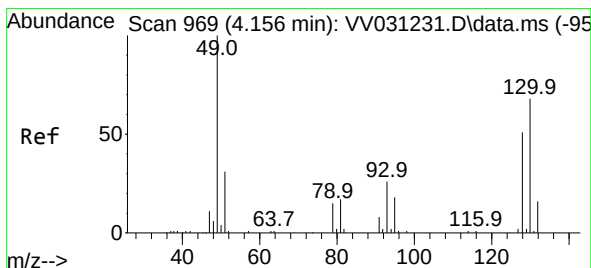
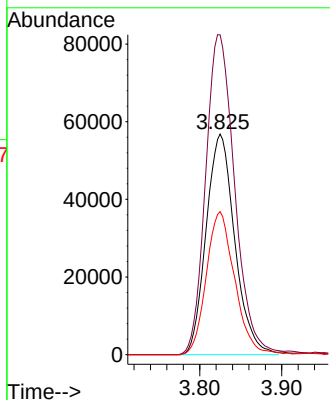
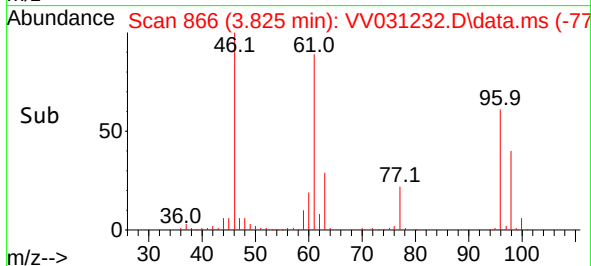


#22
 cis-1,2-Dichloroethene
 Concen: 10.742 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV031232.D
 Acq: 25 May 2023 13:55

Instrument :
 MSVOA_V
 ClientSampleId :

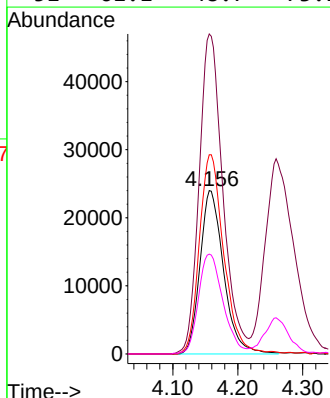
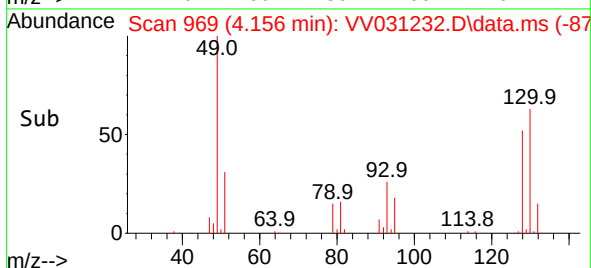
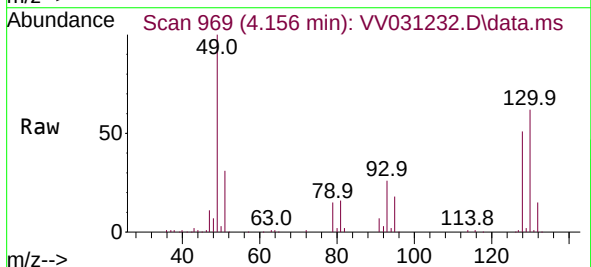


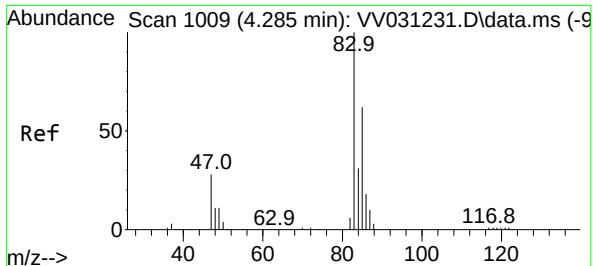
Tgt Ion: 96 Resp: 138245
 Ion Ratio Lower Upper
 96 100
 61 145.0 98.2 182.4
 98 64.8 42.8 79.6



#23
 Bromochloromethane
 Concen: 10.576 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VV031232.D
 Acq: 25 May 2023 13:55

Tgt Ion: 128 Resp: 60640
 Ion Ratio Lower Upper
 128 100
 49 195.9 136.2 253.0
 130 121.9 92.0 170.9
 51 61.1 48.7 73.1





#25

Chloroform

Concen: 10.462 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

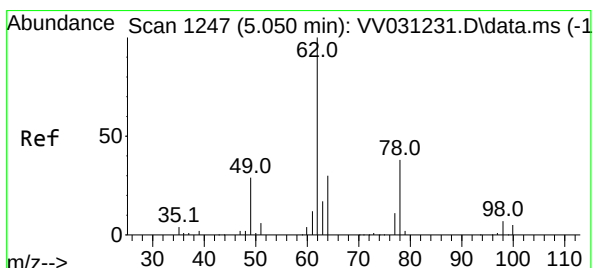
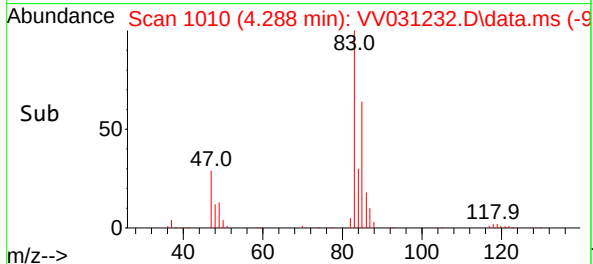
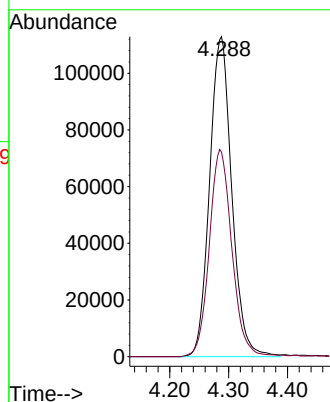
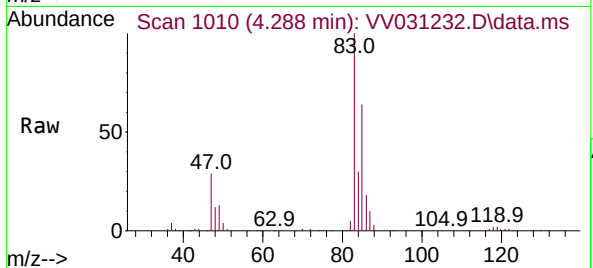
ClientSampleId :

Tgt Ion: 83 Resp: 295588

Ion Ratio Lower Upper

83 100

85 63.9 43.4 80.6



#27

1,2-Dichloroethane

Concen: 10.782 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV031232.D

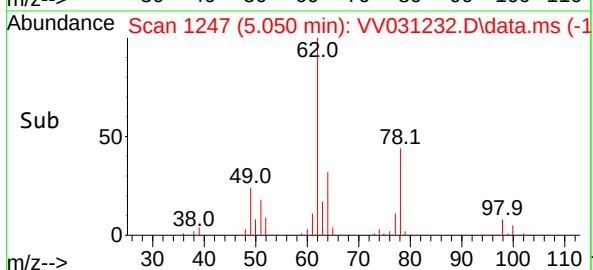
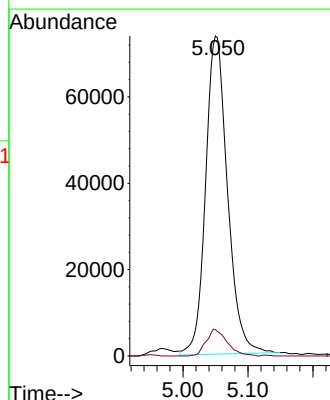
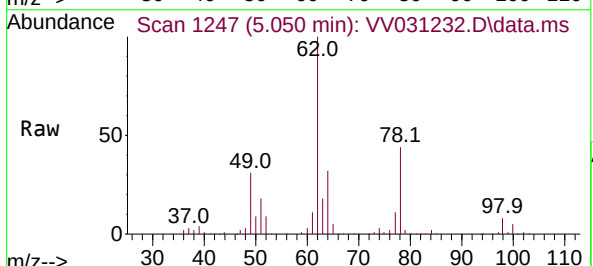
Acq: 25 May 2023 13:55

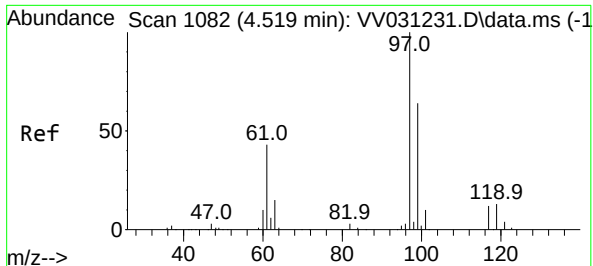
Tgt Ion: 62 Resp: 172923

Ion Ratio Lower Upper

62 100

98 8.3 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 9.620 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

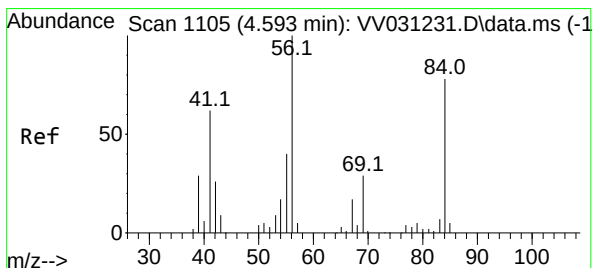
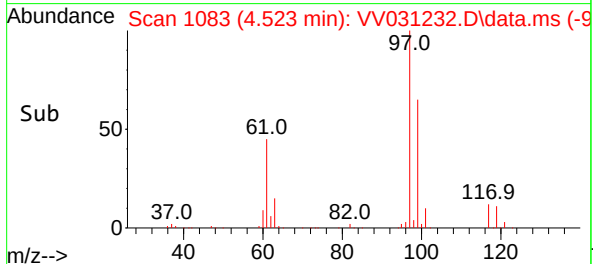
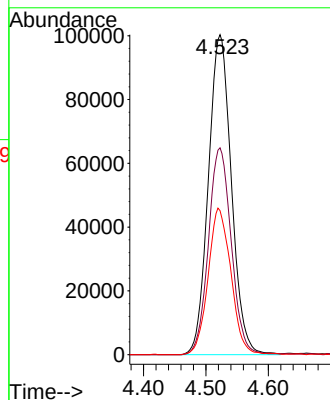
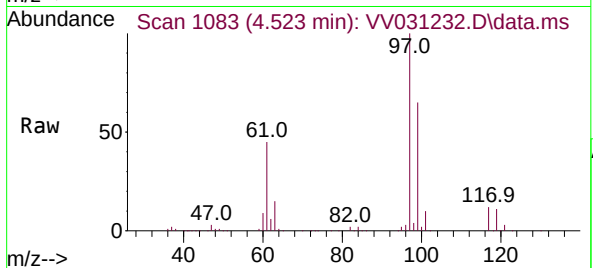
Tgt Ion: 97 Resp: 257593

Ion Ratio Lower Upper

97 100

99 64.2 50.6 75.8

61 45.2 35.5 53.3



#30

Cyclohexane

Concen: 10.410 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

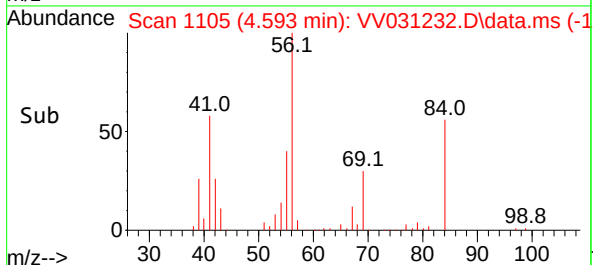
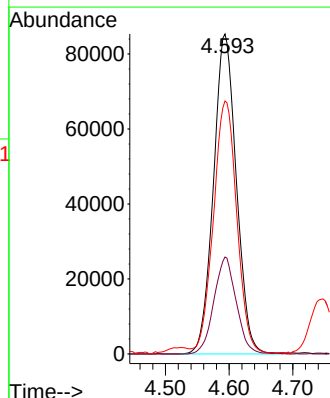
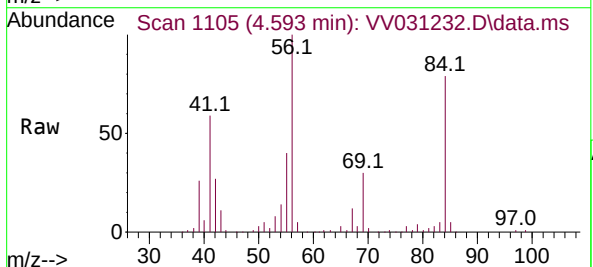
Tgt Ion: 56 Resp: 213368

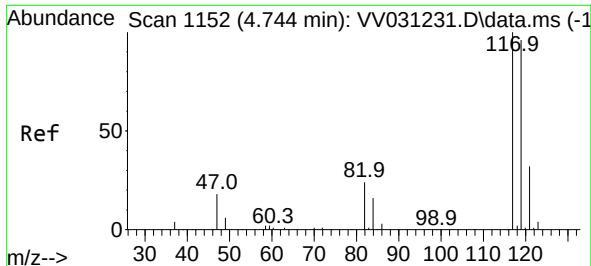
Ion Ratio Lower Upper

56 100

69 29.5 24.0 36.0

84 80.2 62.5 93.7

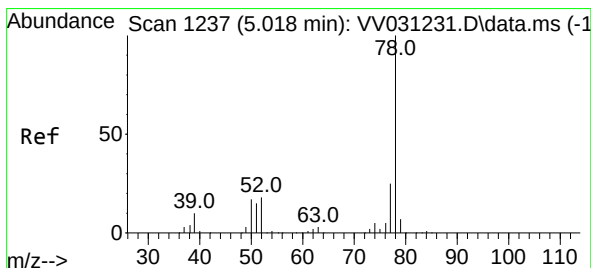
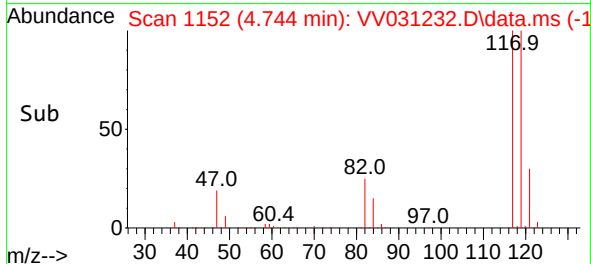
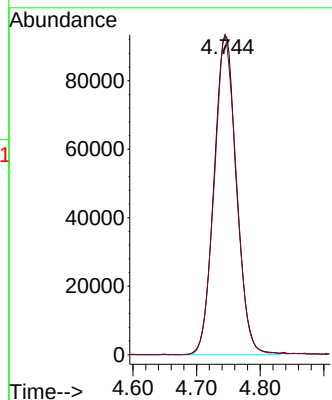
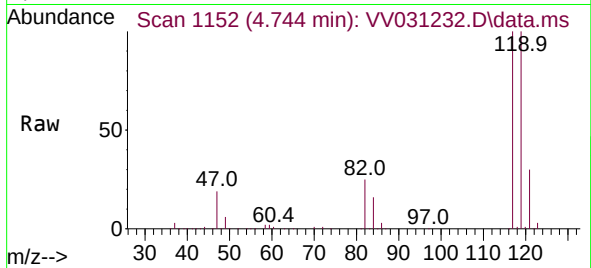




#31
Carbon tetrachloride
Concen: 9.896 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

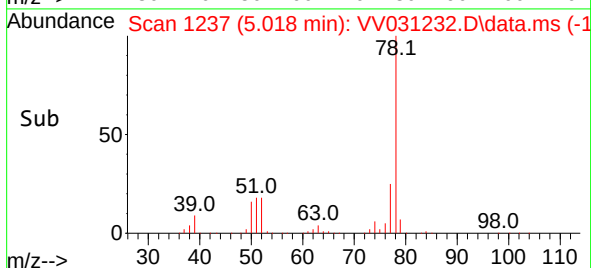
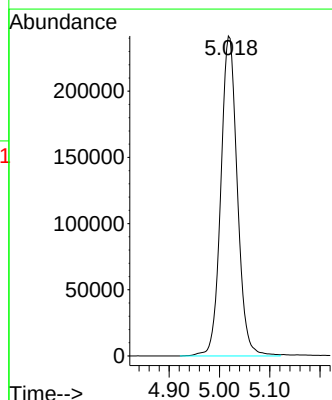
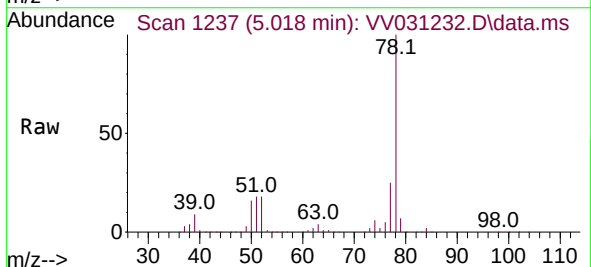
Instrument :
MSVOA_V
ClientSampleId :

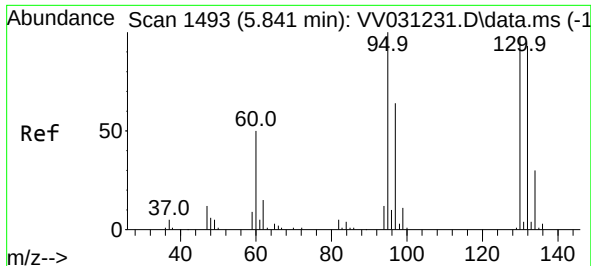
Tgt Ion:117 Resp: 228492
Ion Ratio Lower Upper
117 100
119 98.8 77.5 116.3



#33
Benzene
Concen: 10.293 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 78 Resp: 551171

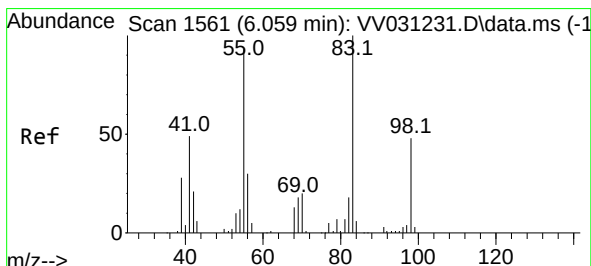
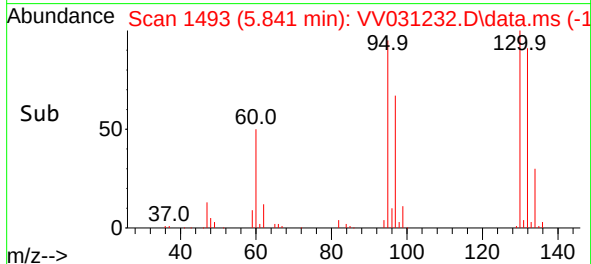
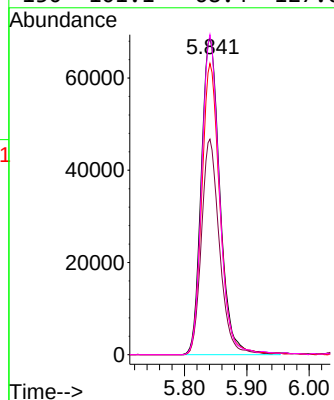
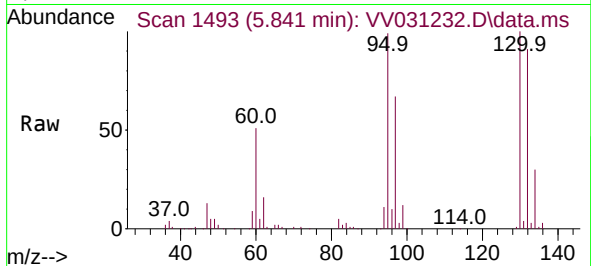




#34
Trichloroethene
Concen: 9.927 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

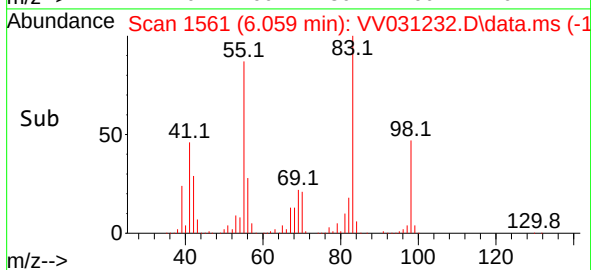
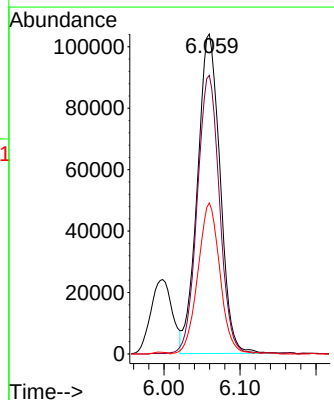
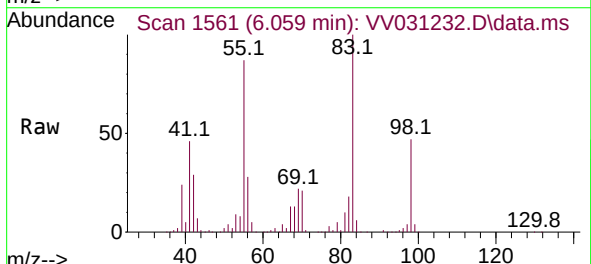
Instrument :
MSVOA_V
ClientSampleId :

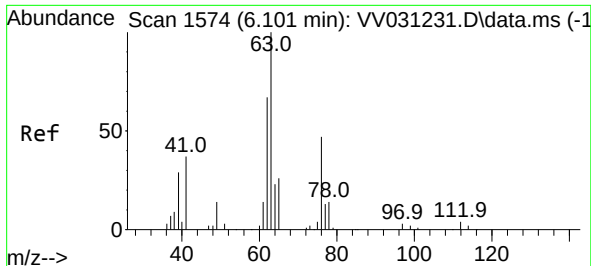
Tgt Ion: 95 Resp: 142813
Ion Ratio Lower Upper
95 100
97 68.1 44.8 83.2
132 92.0 64.8 120.4
130 101.1 68.4 127.0



#35
Methylcyclohexane
Concen: 10.805 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 83 Resp: 214880
Ion Ratio Lower Upper
83 100
55 85.8 74.4 111.6
98 46.1 38.2 57.2





#37

1,2-Dichloropropane

Concen: 10.284 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

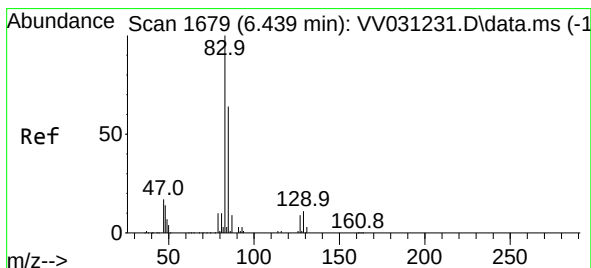
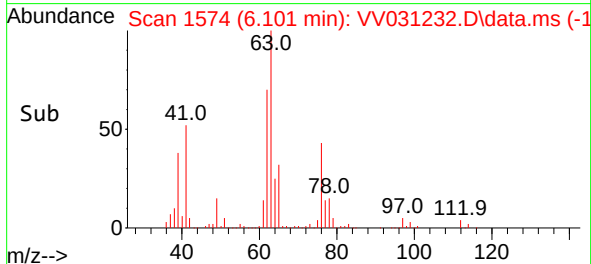
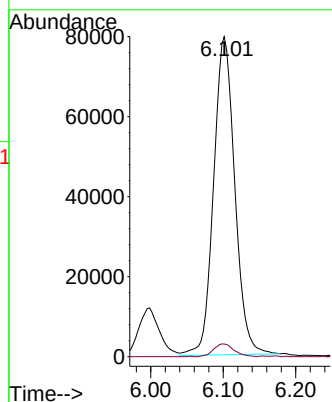
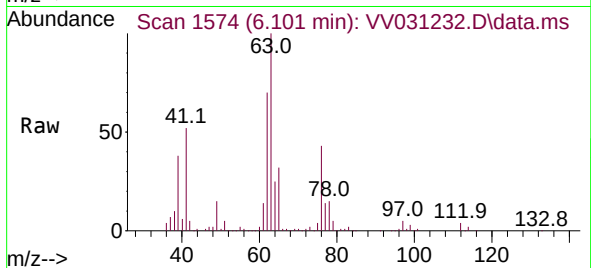
ClientSampleId :

Tgt Ion: 63 Resp: 161331

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 10.220 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

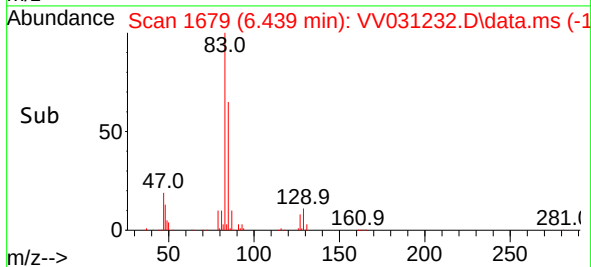
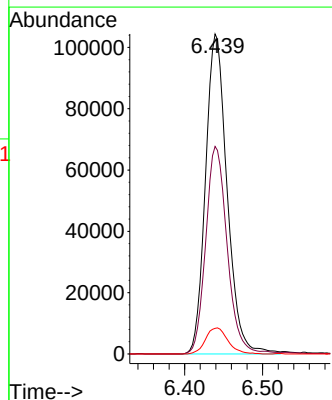
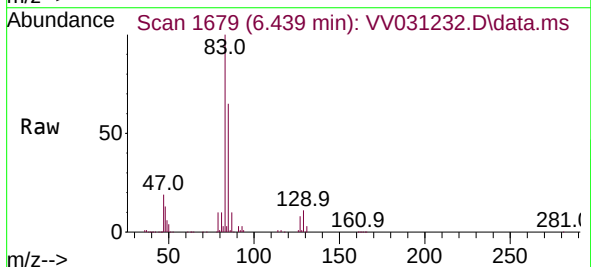
Tgt Ion: 83 Resp: 200949

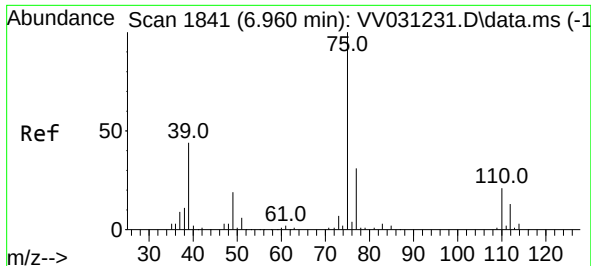
Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

127 8.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 11.480 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

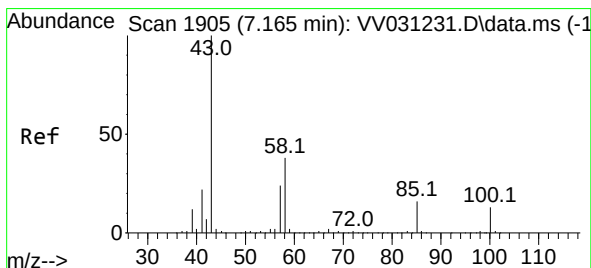
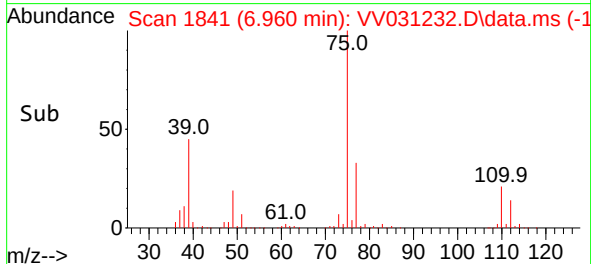
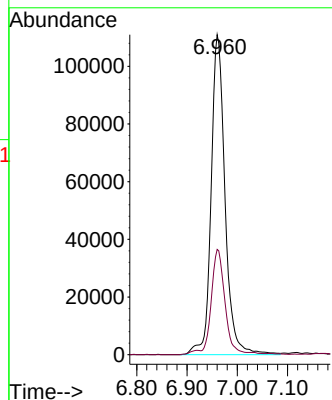
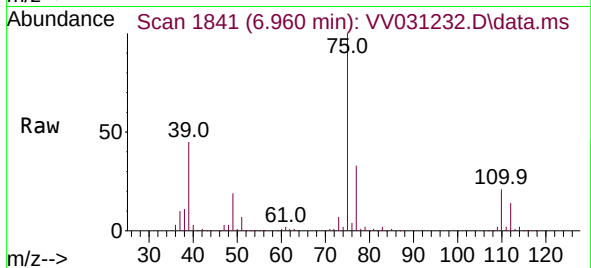
ClientSampleId :

Tgt Ion: 75 Resp: 213433

Ion Ratio Lower Upper

75 100

77 32.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 116.342 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

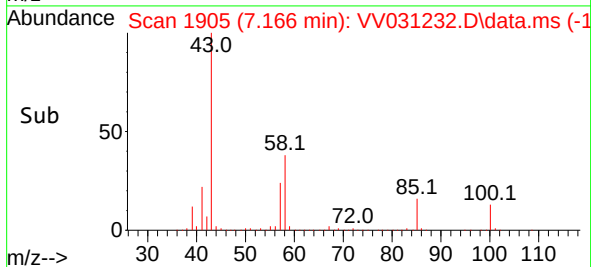
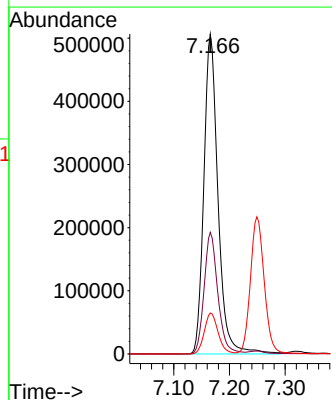
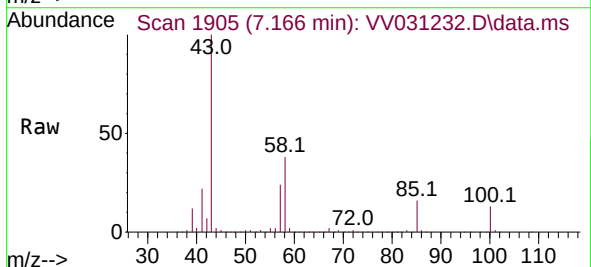
Tgt Ion: 43 Resp: 893949

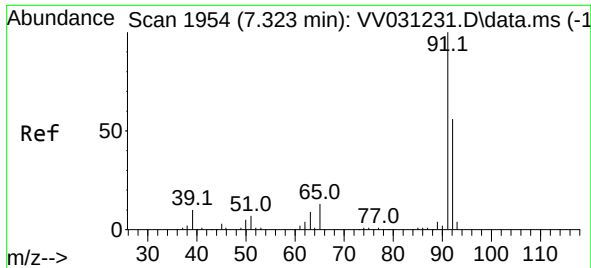
Ion Ratio Lower Upper

43 100

58 36.9 29.1 43.7

100 12.5 9.9 14.9

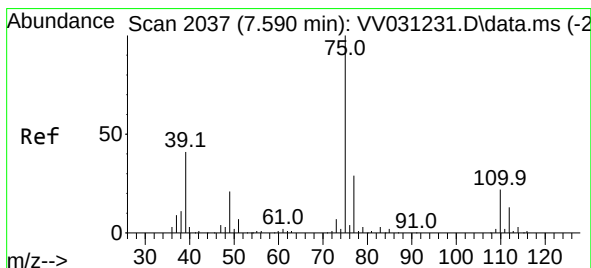
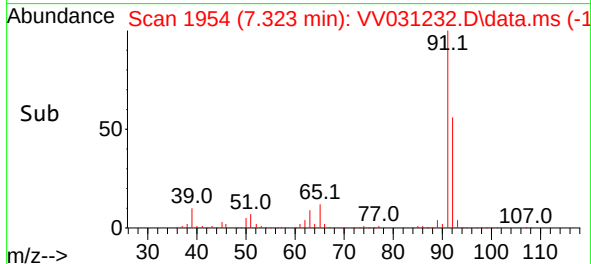
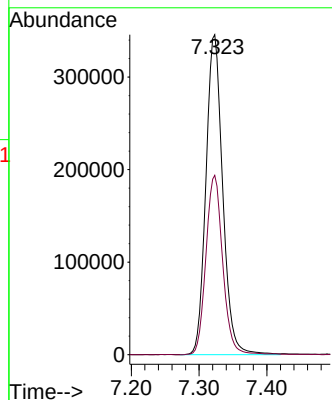
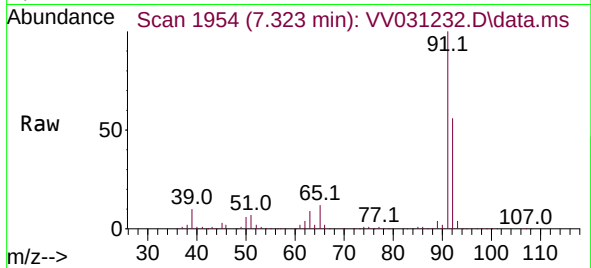




#42
Toluene
Concen: 11.304 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

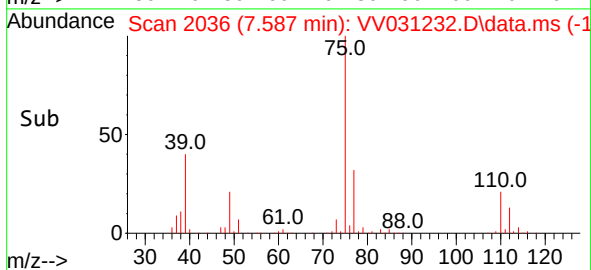
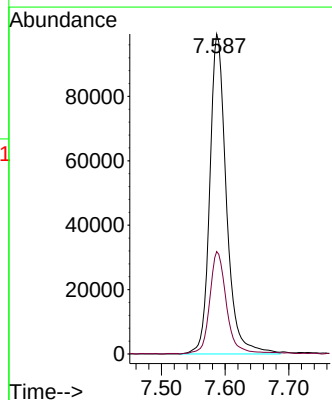
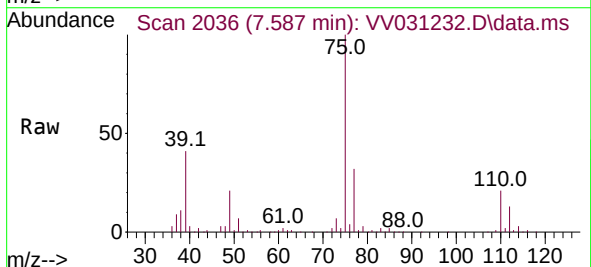
Instrument :
MSVOA_V
ClientSampleId :

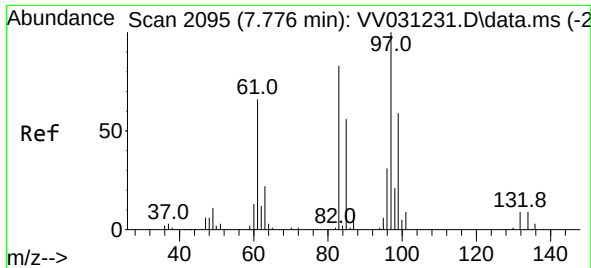
Tgt Ion: 91 Resp: 594721
Ion Ratio Lower Upper
91 100
92 56.1 39.4 73.2



#44
trans-1,3-Dichloropropene
Concen: 11.192 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 75 Resp: 180497
Ion Ratio Lower Upper
75 100
77 32.0 20.4 38.0

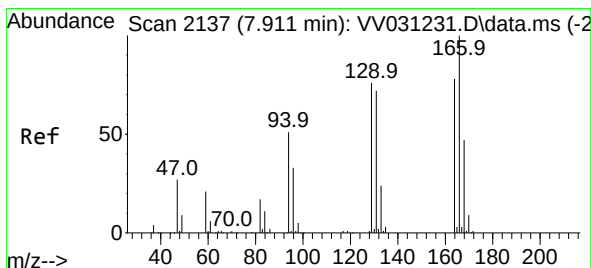
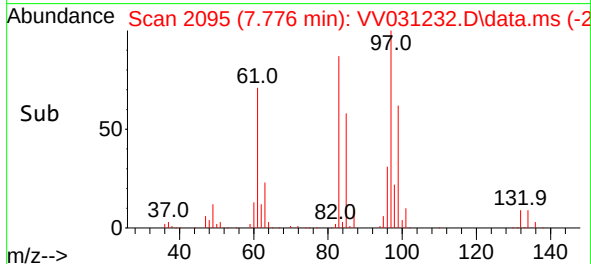
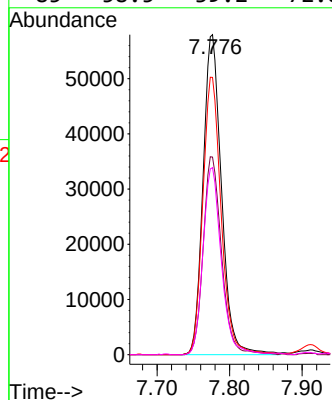
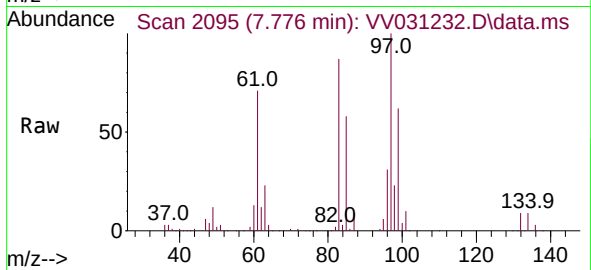




#45
1,1,2-Trichloroethane
Concen: 10.789 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

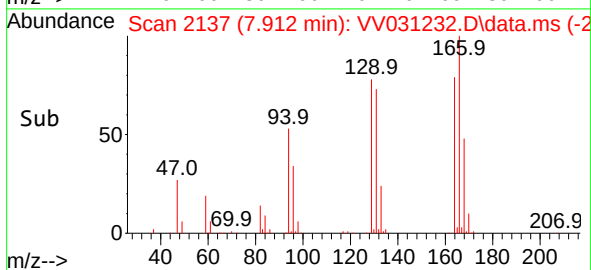
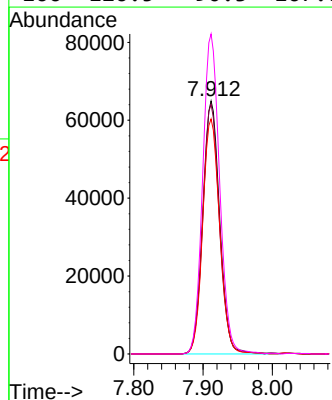
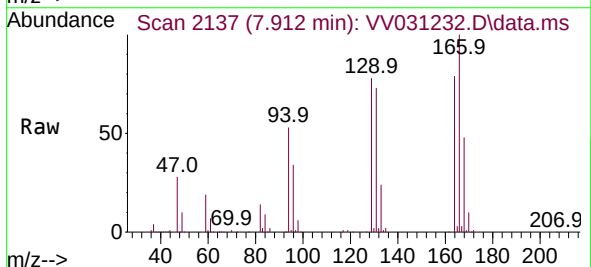
Instrument :
MSVOA_V
ClientSampleId :

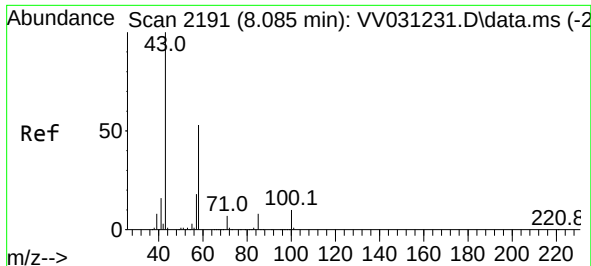
Tgt Ion: 97	Resp: 102354
Ion Ratio	Lower Upper
97 100	
99 61.8	41.2 76.4
83 86.7	58.2 108.0
85 58.5	39.2 72.8



#47
Tetrachloroethene
Concen: 10.513 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

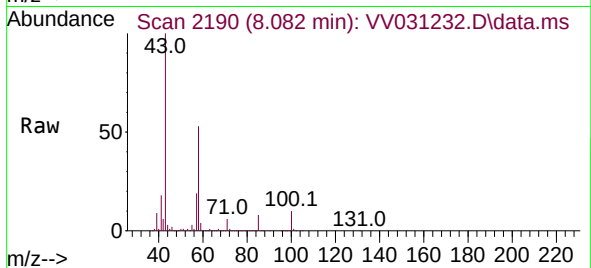
Tgt	Ion:164	Resp:	109620
Ion	Ratio	Lower	Upper
164	100		
129	98.7	68.7	127.5
131	92.9	64.7	120.1
166	126.5	90.3	167.7



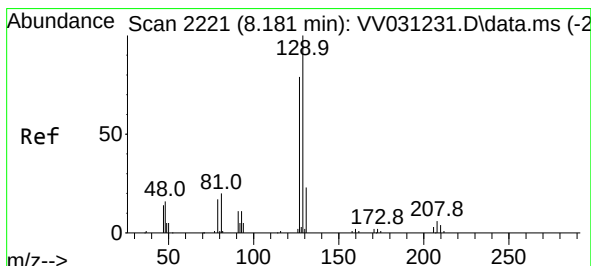
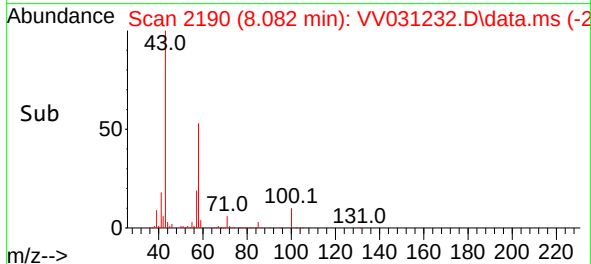
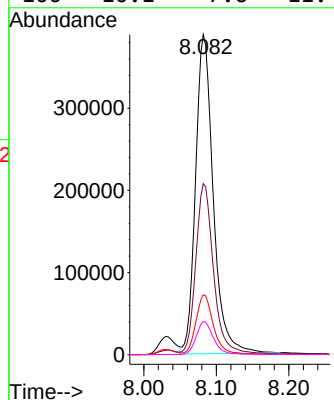


#48
2-Hexanone
Concen: 116.385 ug/L
RT: 8.082 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Instrument :
MSVOA_V
ClientSampleId :

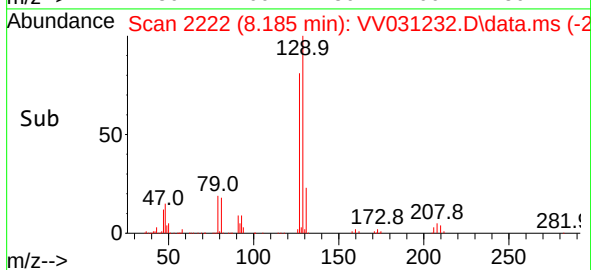
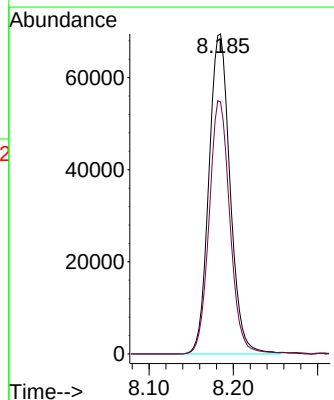
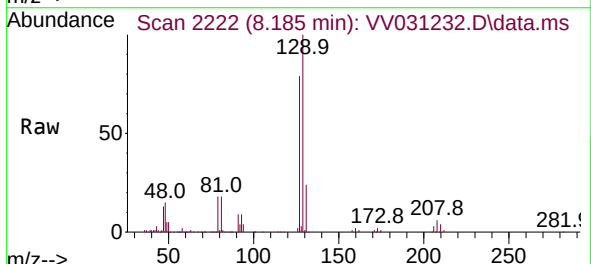


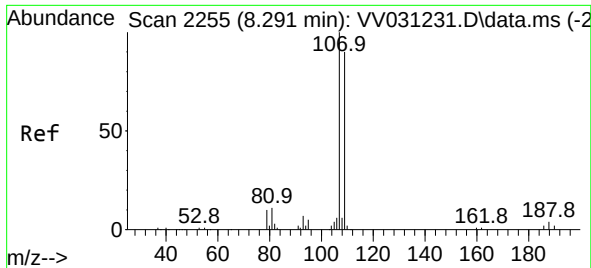
Tgt Ion: 43 Resp: 659333
Ion Ratio Lower Upper
43 100
58 53.5 41.4 62.0
57 18.7 14.1 21.1
100 10.1 7.6 11.4



#49
Dibromochloromethane
Concen: 10.655 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 129 Resp: 121449
Ion Ratio Lower Upper
129 100
127 78.8 55.0 102.2





#50

1,2-Dibromoethane

Concen: 10.704 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031232.D

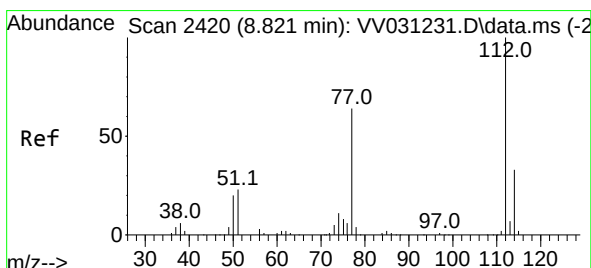
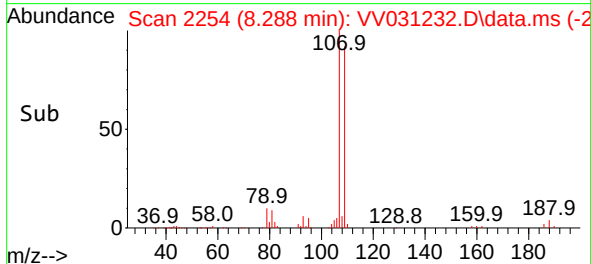
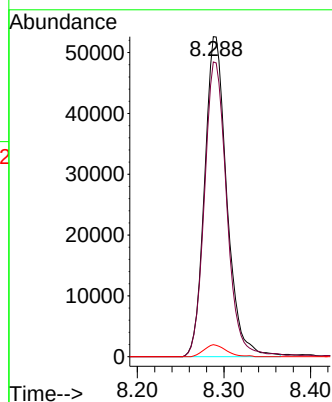
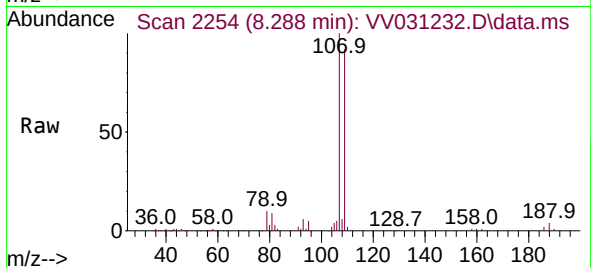
Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	93755
Ion	Ratio	Lower	Upper
107	100		
109	92.1	62.8	116.6
188	3.8	3.2	4.8



#51

Chlorobenzene

Concen: 10.341 ug/L

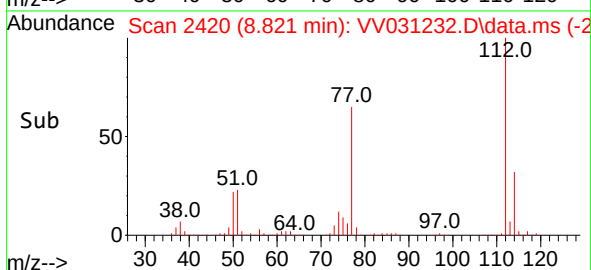
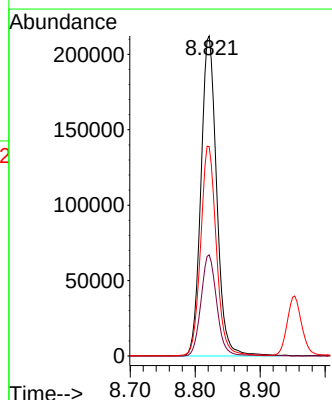
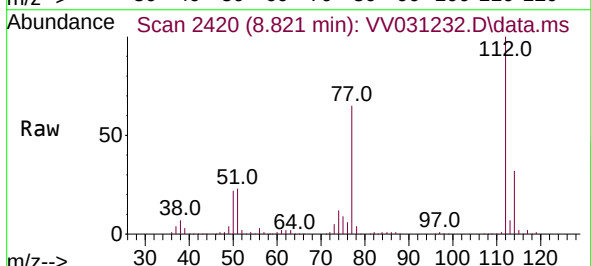
RT: 8.821 min Scan# 2420

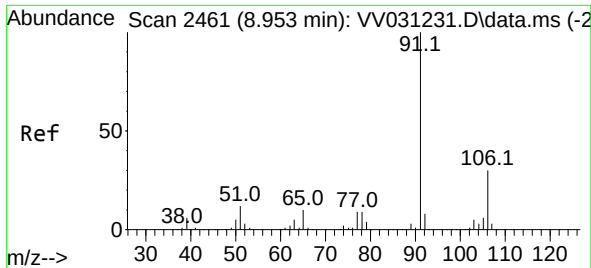
Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Tgt Ion:	112	Resp:	357903
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.8	42.4
77	65.4	51.7	77.5





#52

Ethylbenzene

Concen: 11.108 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

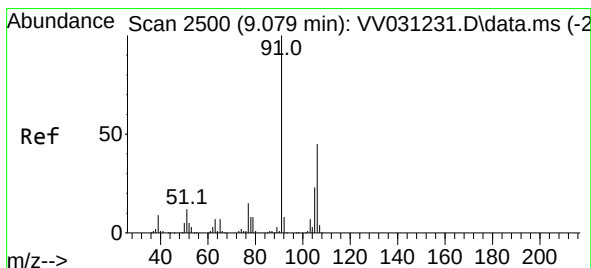
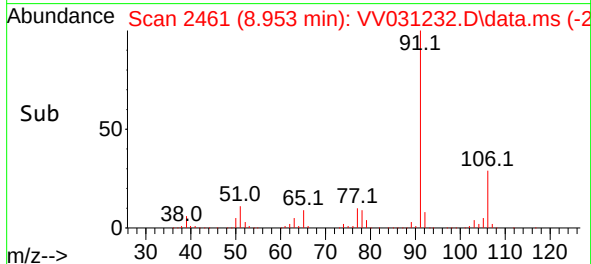
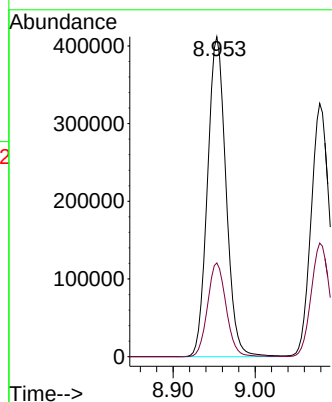
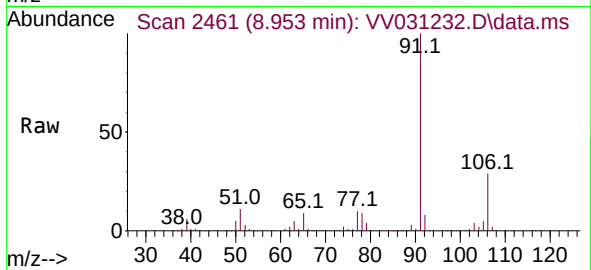
ClientSampleId :

Tgt Ion: 91 Resp: 644361

Ion Ratio Lower Upper

91 100

106 29.3 21.1 39.1



#53

m,p-Xylene

Concen: 10.993 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031232.D

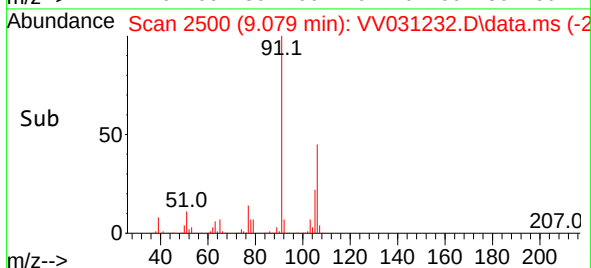
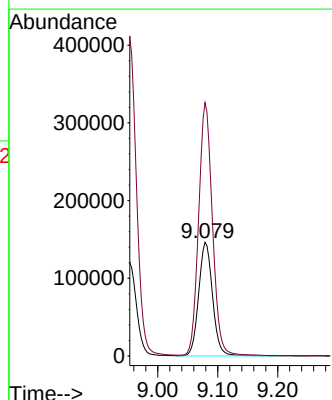
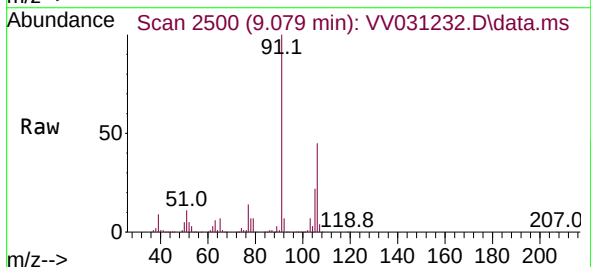
Acq: 25 May 2023 13:55

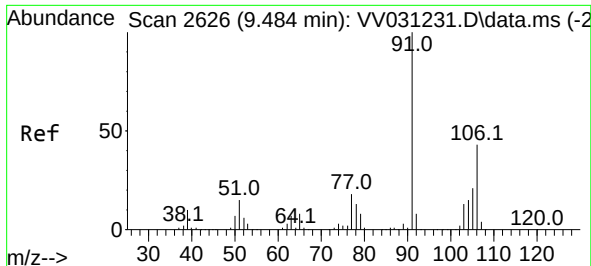
Tgt Ion: 106 Resp: 235649

Ion Ratio Lower Upper

106 100

91 223.1 154.7 287.3

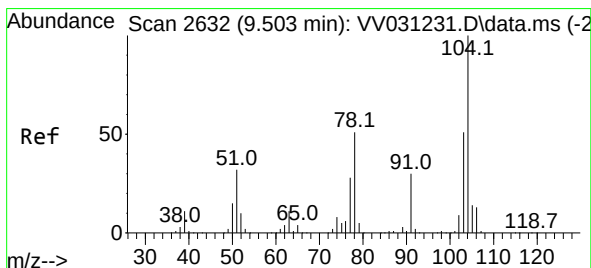
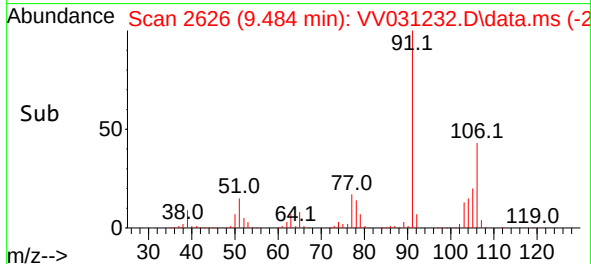
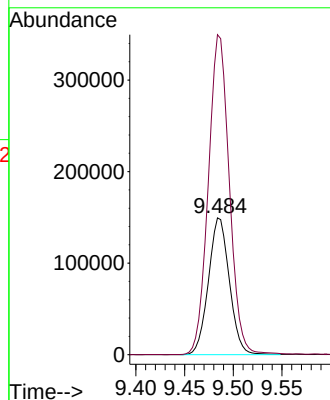
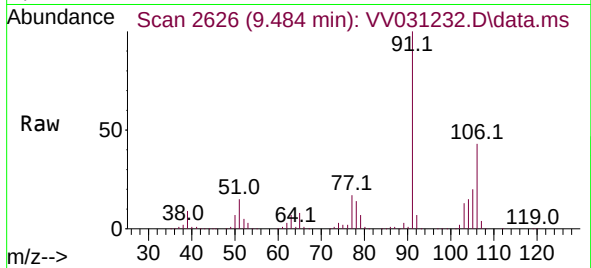




#54
o-Xylene
Concen: 10.961 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

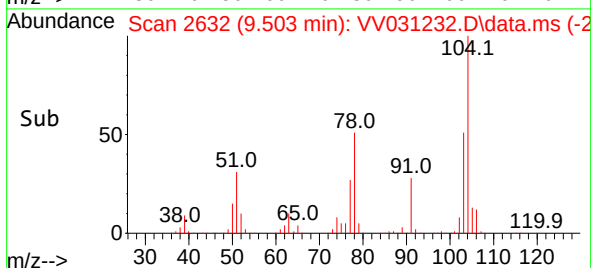
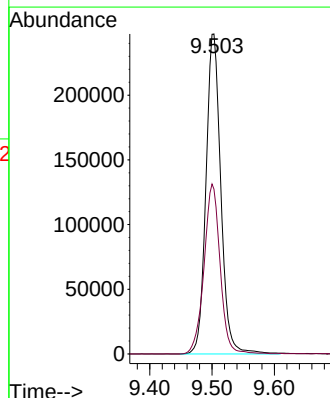
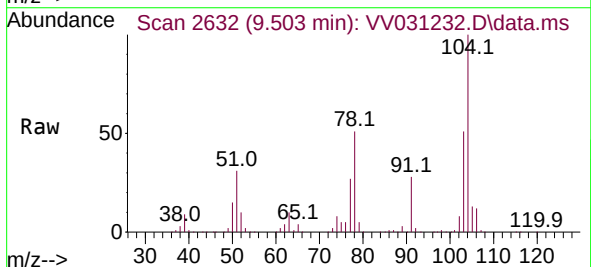
Instrument :
MSVOA_V
ClientSampleId :

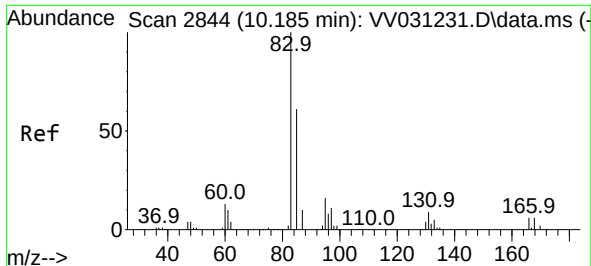
Tgt Ion:106 Resp: 223690
Ion Ratio Lower Upper
106 100
91 234.0 161.3 299.7



#55
Styrene
Concen: 11.402 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion:104 Resp: 410326
Ion Ratio Lower Upper
104 100
78 51.5 35.6 66.0

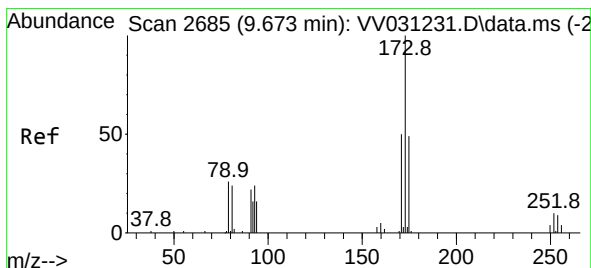
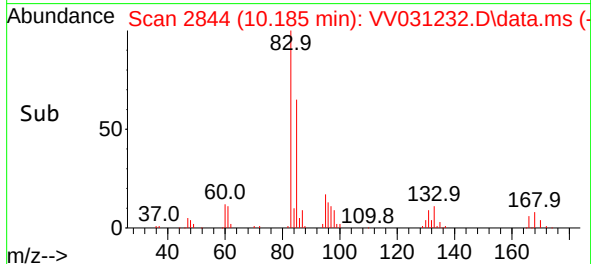
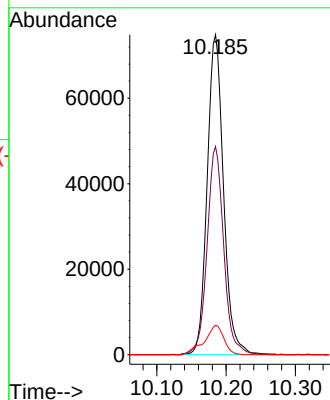
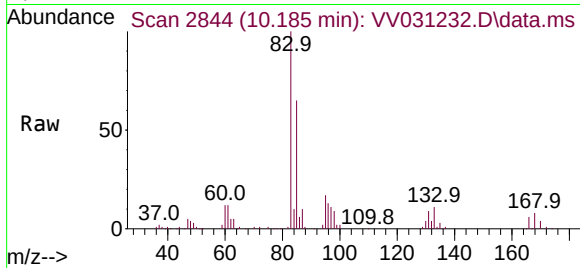




#57
1,1,2,2-Tetrachloroethane
Concen: 10.206 ug/L
RT: 10.185 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

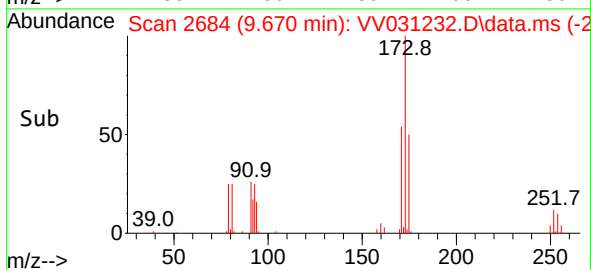
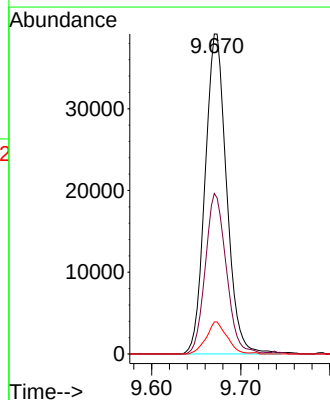
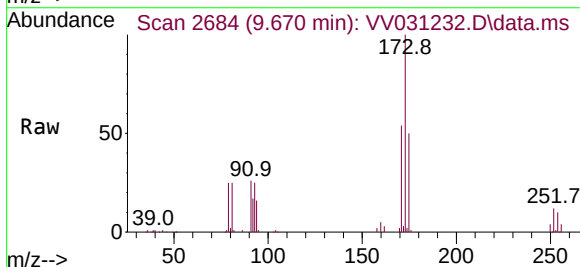
Instrument :
MSVOA_V
ClientSampleId :

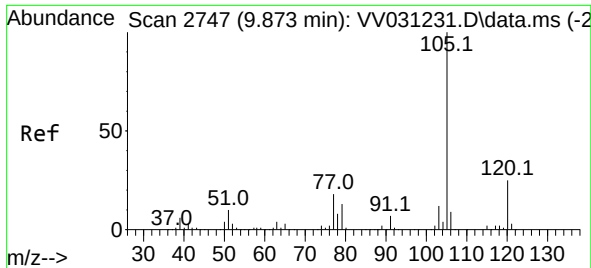
Tgt Ion: 83 Resp: 122219
Ion Ratio Lower Upper
83 100
85 65.1 43.0 80.0
131 9.2 7.6 11.4



#59
Bromoform
Concen: 10.745 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 173 Resp: 65500
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.4
254 9.7 7.9 11.9

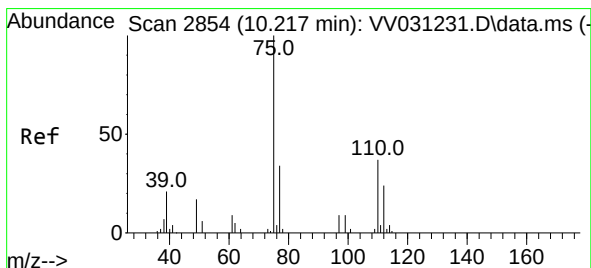
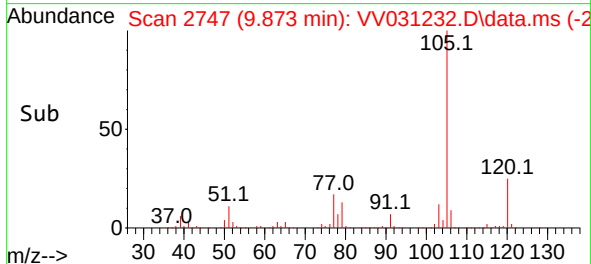
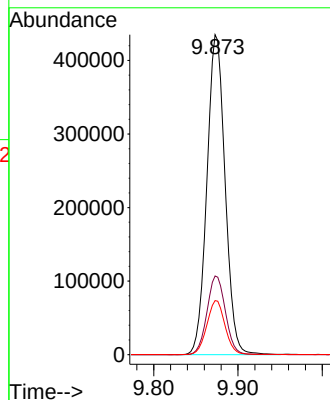
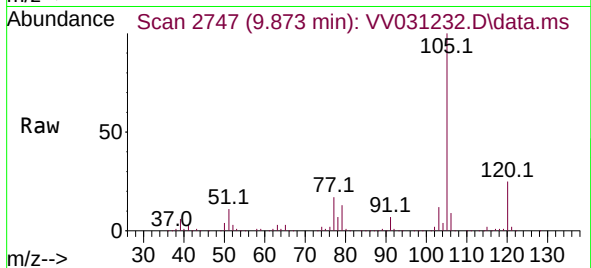




#60
Isopropylbenzene
Concen: 11.910 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

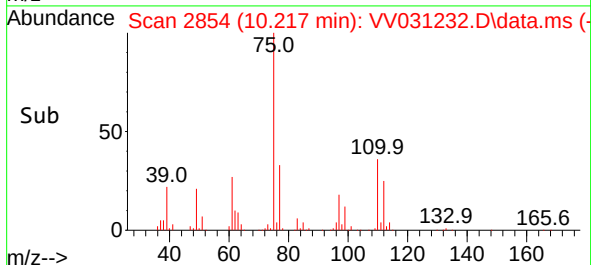
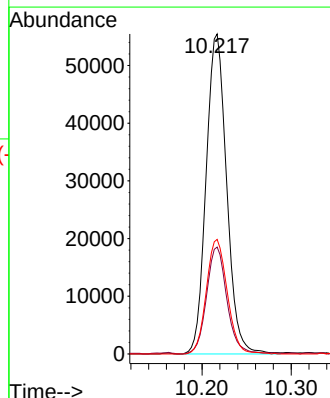
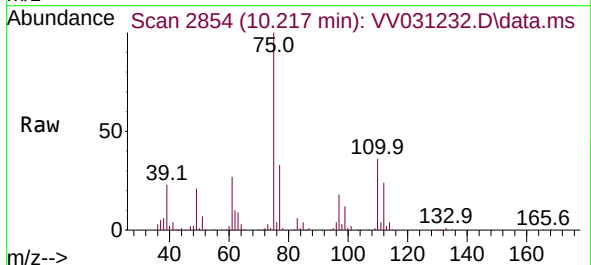
Instrument :
MSVOA_V
ClientSampleId :

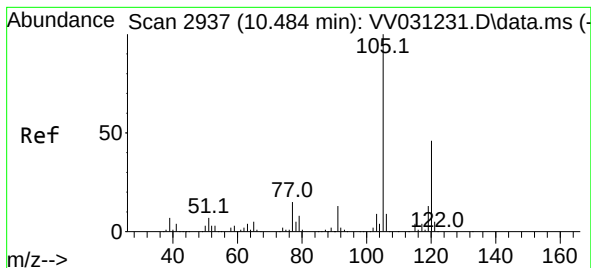
Tgt Ion:105 Resp: 653827
Ion Ratio Lower Upper
105 100
120 25.0 19.9 29.9
77 16.9 13.9 20.9



#61
1,2,3-Trichloropropane
Concen: 10.787 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 75 Resp: 88771
Ion Ratio Lower Upper
75 100
77 33.1 26.6 40.0
110 36.5 29.8 44.8





#62

1,3,5-Trimethylbenzene

Concen: 12.051 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

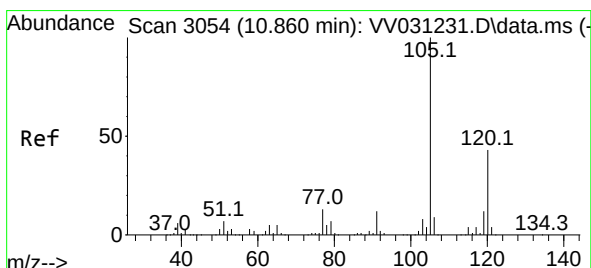
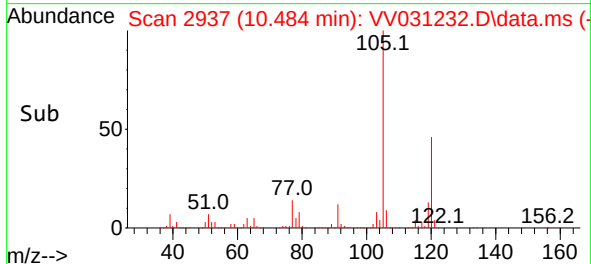
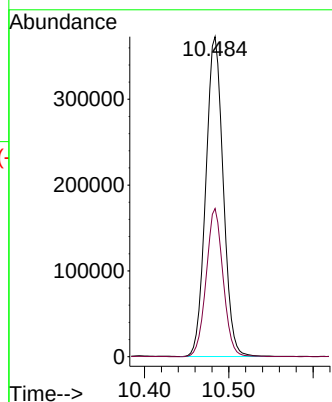
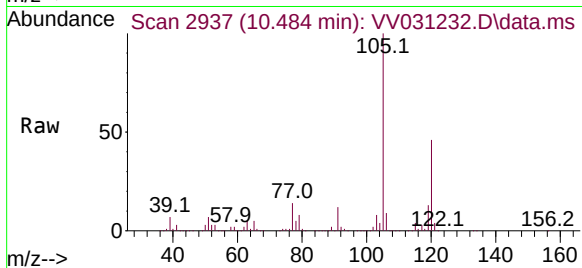
ClientSampleId :

Tgt Ion:105 Resp: 536371

Ion Ratio Lower Upper

105 100

120 45.3 36.6 55.0



#63

1,2,4-Trimethylbenzene

Concen: 12.236 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV031232.D

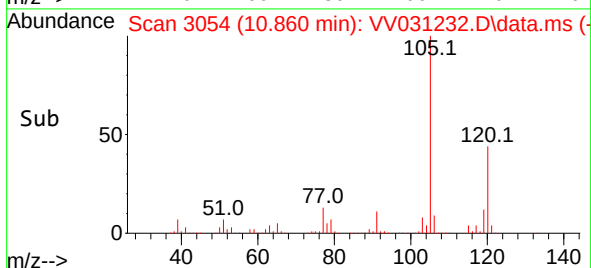
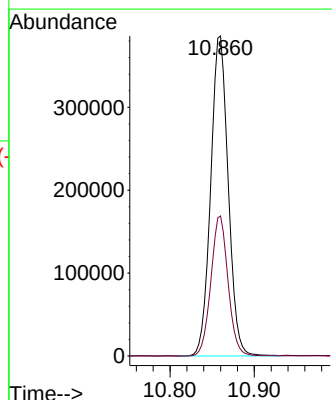
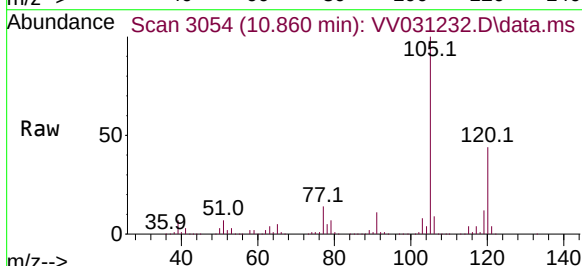
Acq: 25 May 2023 13:55

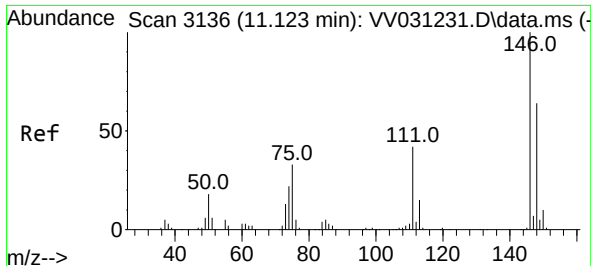
Tgt Ion:105 Resp: 557665

Ion Ratio Lower Upper

105 100

120 42.9 34.4 51.6

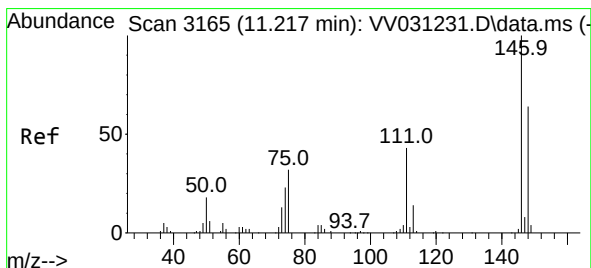
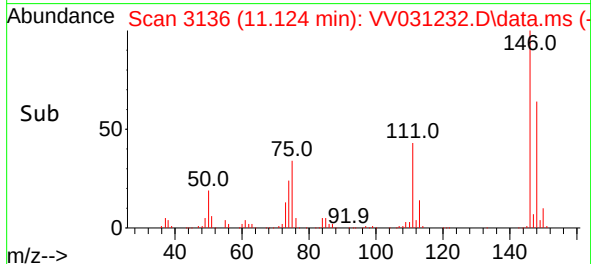
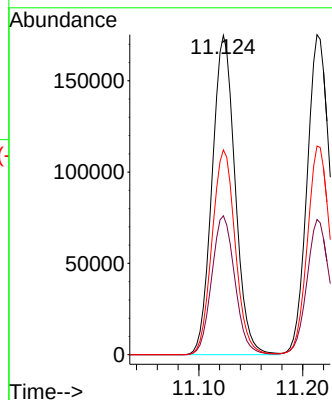
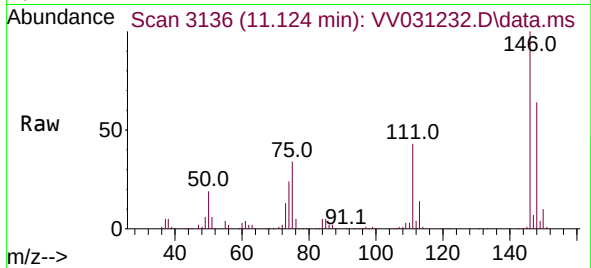




#64
1,3-Dichlorobenzene
Concen: 10.350 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

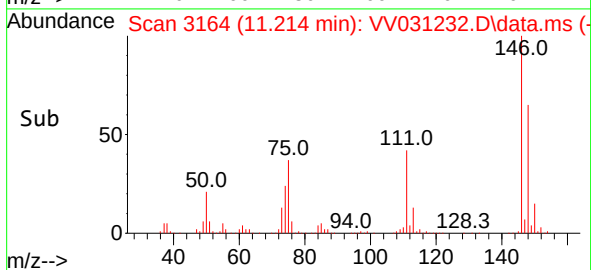
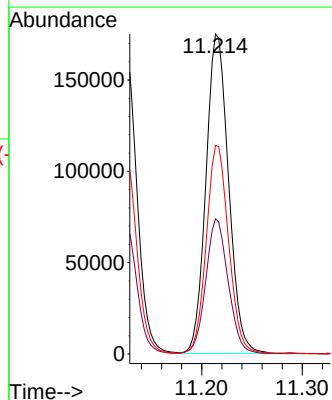
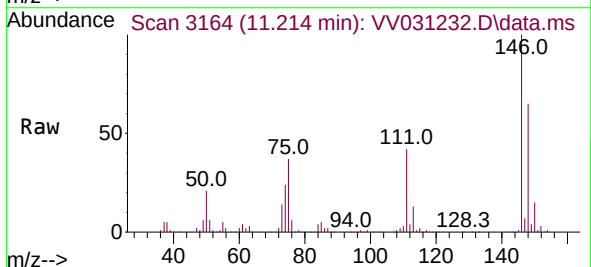
Instrument :
MSVOA_V
ClientSampleId :

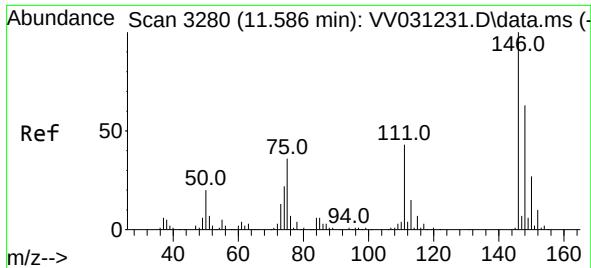
Tgt Ion:146 Resp: 269024
Ion Ratio Lower Upper
146 100
111 43.5 29.5 54.9
148 64.1 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 10.279 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion:146 Resp: 273382
Ion Ratio Lower Upper
146 100
111 42.2 30.4 56.5
148 65.2 44.9 83.3

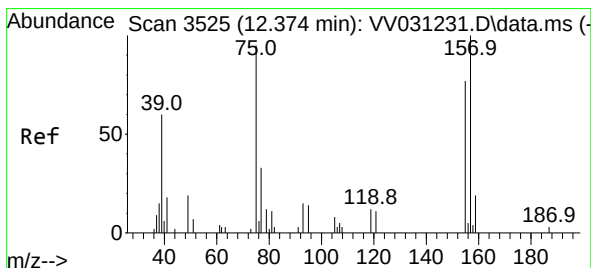
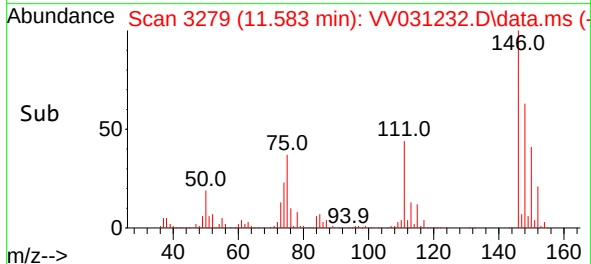
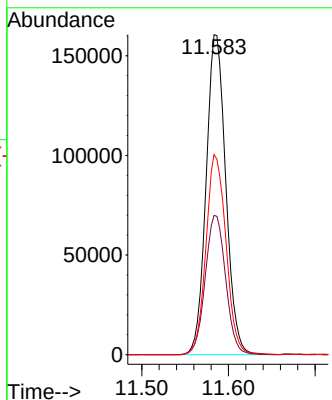
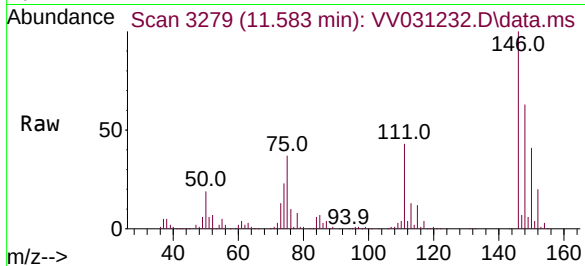




#67
1,2-Dichlorobenzene
Concen: 10.163 ug/L
RT: 11.583 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

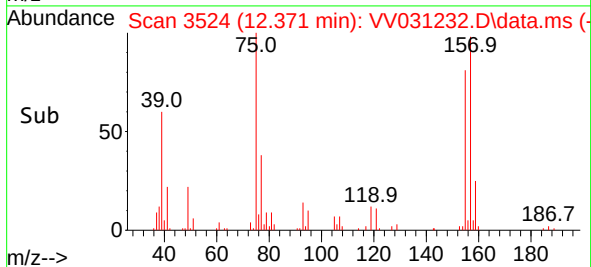
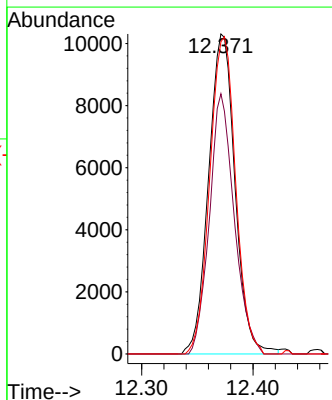
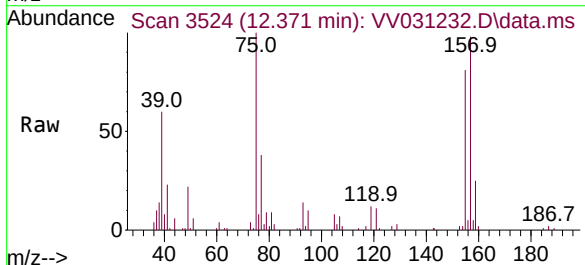
Instrument :
MSVOA_V
ClientSampleId :

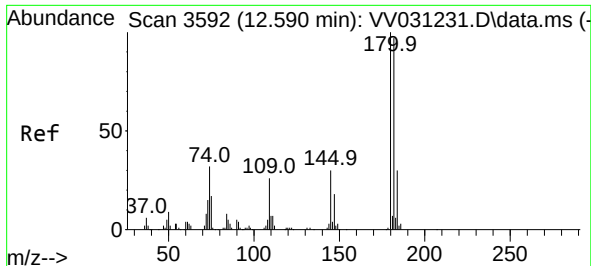
Tgt Ion:146 Resp: 253183
Ion Ratio Lower Upper
146 100
111 43.5 34.3 51.5
148 62.5 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 9.796 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV031232.D
Acq: 25 May 2023 13:55

Tgt Ion: 75 Resp: 16990
Ion Ratio Lower Upper
75 100
155 81.3 64.6 96.8
157 97.5 84.1 126.1





#69

1,3,5-Trichlorobenzene

Concen: 10.380 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

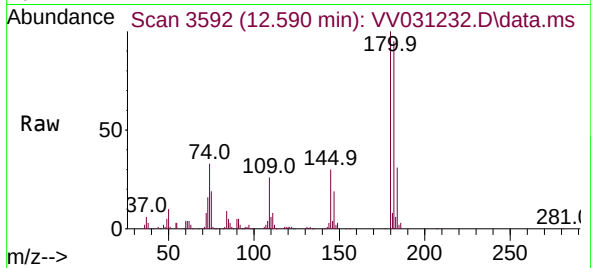
Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 219103

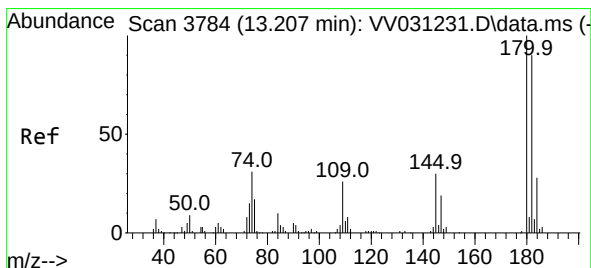
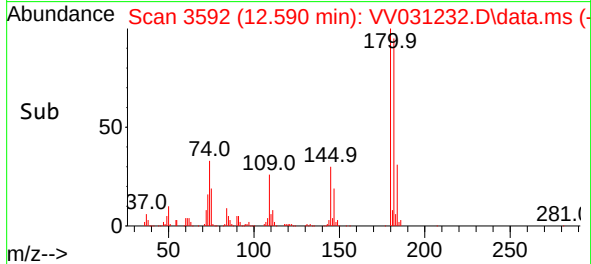
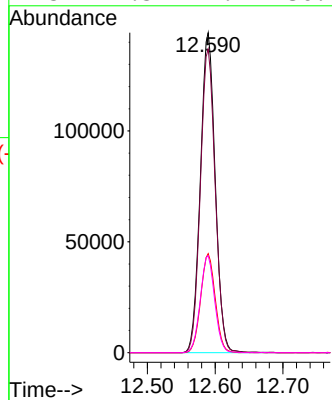
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

184 30.3 24.9 37.3

145 29.5 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 10.092 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

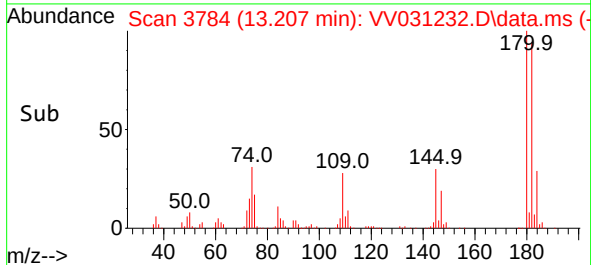
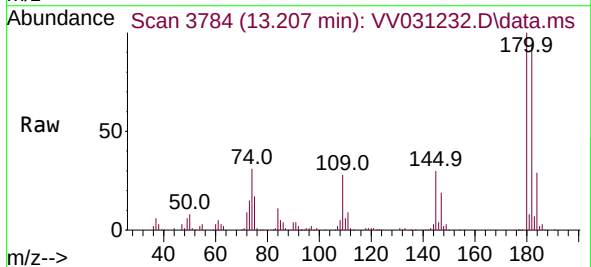
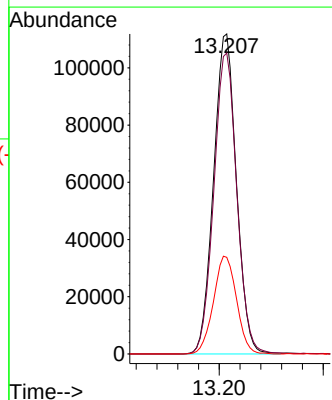
Tgt Ion:180 Resp: 170265

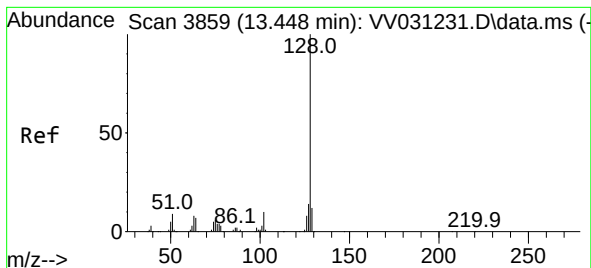
Ion Ratio Lower Upper

180 100

182 95.1 74.8 112.2

145 31.0 24.1 36.1





#71

Naphthalene

Concen: 9.067 ug/L

RT: 13.445 min Scan# 3859

Delta R.T. -0.003 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

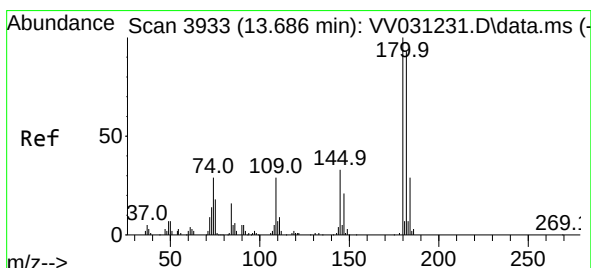
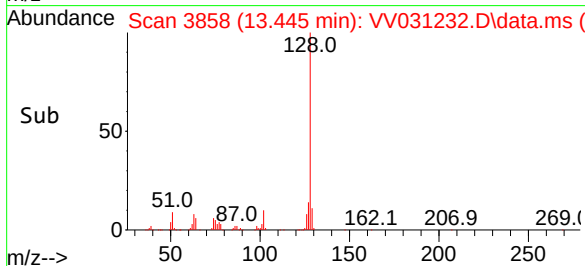
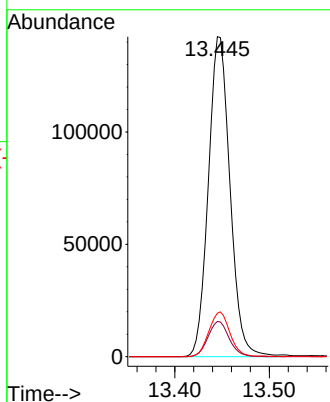
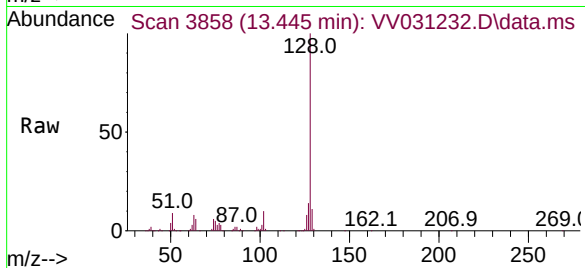
Tgt Ion:128 Resp: 226421

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

127 13.6 11.5 17.3



#72

1,2,3-Trichlorobenzene

Concen: 10.230 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031232.D

Acq: 25 May 2023 13:55

Tgt Ion:180 Resp: 148452

Ion Ratio Lower Upper

180 100

182 95.4 77.6 116.4

145 32.7 26.9 40.3

